
JAIME CANICULA, MTM

Mandaluyong City, Metro Manila, Philippines 1550 • +639934393701 • jaimecanicula@gmail.com

PROFESSIONAL SUMMARY

Technical Architect, Engineering Leader, and Senior Software Engineering Professional with extensive experience across software development, cloud architecture, cloud engineering, DevOps, delivery management, stakeholder management, and technical program delivery. Proven track record of designing and delivering secure, scalable, and high-performance systems across cloud, application, and data platforms. Combines hands-on engineering expertise with architectural and delivery leadership, including experience in cloud architecture design, data pipelines, analytics enablement, cloud governance, and security awareness. Experienced in aligning engineering initiatives with business objectives, driving platform modernization and cloud adoption, and delivering resilient systems in regulated environments. Recognized for building and growing high-performing engineering teams, managing software development lifecycles, strengthening delivery processes, engaging and aligning stakeholders across business and technology functions, and leading end-to-end technology transformations that improve operational efficiency, system reliability, and organizational capability.

AREA OF SPECIALIZATION

- Software Design and Architecture Strategy
- System Integration
- Cloud Engineering and Infrastructure Leadership (AWS)
- Web & API Platform Strategy & Governance
- Agile Product Development and Leadership (Scrum, Kanban, XP, Hybrid)
- Program & Project Management
- People Leadership, Mentoring & Team Capability Building
- Operational Excellence & Process Optimization
- Strategic Business Analysis & Stakeholder Engagement
- Customer & Partner Relationship Management
- AI-Driven Innovation & Solution Development
- Product Visioning & Roadmap Execution
- Technology Strategy & Roadmap Planning

TECHNICAL SKILLS

Programming Languages & Frameworks

- Backend: C#.NET (.NET Core, .NET Standard), Node.js, Python, PHP, Java (Spring Boot)
- Frontend: React (SPA, Next.js, Gatsby), TypeScript, JavaScript, jQuery, HTML, CSS
- Mobile: React Native (Android / iOS)
- Real-time Communication: SignalR, WebSockets

DevOps, CI/CD & GitOps

- **CI/CD Tools:** GitHub Actions, Jenkins, Azure DevOps
- **GitOps:** ArgoCD, Helm
- **Containerization & Orchestration:** Docker, Docker Compose, Kubernetes (k8s)
- **Code Quality & Security:** SonarQube, Snyk, Checkmarx, ESLint

Cloud Engineering & Infrastructure

- Cloud Platforms: AWS, Azure
- Serverless Computing: AWS Lambda, Azure Functions
- API Management: Amazon API Gateway, Azure API Management

- Databases:
 - Relational: MSSQL, MySQL, PostgreSQL, Amazon Aurora
 - NoSQL: MongoDB, DynamoDB, CouchDB
- Messaging: RabbitMQ, Amazon MQ, Amazon SQS
- Event Streaming & Messaging: Apache Kafka (AWS MSK), Amazon Kinesis
- Workflow Orchestration: AWS Step Functions
- System Integration: Boomi, MuleSoft
- Landing Zone and Governance: AWS Control Tower, IAM Identity Center
- Data Engineering & Analytics: AWS Glue, AWS Athena, Redshift, Kinesis, ETL pipeline design, Data Lake architecture, analytics enablement

Infrastructure as Code (IaC) & Provisioning

- Tools: Terraform, AWS CloudFormation, OpenTofu, Ansible

Monitoring & Observability & Incident Management

- Monitoring & Metrics: Amazon CloudWatch, Prometheus, Grafana, Datadog, New Relic
- Logging: Loki, ELK Stack (Elasticsearch, Logstash, Kibana)
- Tracing: Tempo, OpenTelemetry
- Telemetry Pipeline & Agents: Alloy, OpenTelemetry Collector
- Error & Performance Monitoring: Rollbar
- ITIL practices, incident & problem management, process optimization, ITSM workflow design

Cloud Networking

- VPC Design & Management: AWS VPC, Subnets, Route Tables, NAT Gateways, Internet Gateways
- Networking Services: AWS VPC, Subnets, Route Tables, NAT Gateways, Internet Gateways, VPC Endpoints, Gateway Endpoints, PrivateLink, Transit Gateway, VPC Peering, ALB/NLB
- Security & Access Control: Security Groups, Network ACLs, AWS WAF, AWS Shield
- Hybrid Connectivity: VPN, Direct Connect, Route 53 (Private and Public DNS)

Automation & Scripting

- Scripting Languages: Bash, PowerShell, Python
- Automation Tools: Ansible, Cron, AWS Systems Manager (SSM), AWS Step Functions

Version Control & Collaboration

- Version Control Systems: Git (GitHub, GitLab, Bitbucket)
- Agile & Collaboration Tools: Jira, Confluence, Azure Boards

Cybersecurity & Cloud Web Security

- Web application security design, penetration testing awareness, secure cloud architecture, compliance with regulatory standards, monitoring & threat mitigation in cloud-native environments, PII data protection

Project & Product Management

- End-to-end delivery, cross-functional leadership, technology roadmapping, product roadmapping, compliance documentation, governance frameworks

Enterprise Architecture & Strategic Planning

- Frameworks & Methodologies: Agile, Scrum, DevOps, TOGAF
- Business & Stakeholder Engagement: Requirements analysis, customer relationship management, executive reporting, technical and project documentation

EDUCATION

Master of Technology Management

University of The Philippines Diliman - Quezon City

- Awarded Parangal sa Mag-aaral for 2 consecutive years
- GWA: 1.11 (GPA: 4.0)

CERTIFICATIONS

- AWS Certified Solutions Architect-Professional
- AWS Certified Solutions Architect-Associate
- AWS Certified Developer-Associate
- AWS Certified SysOps Administrator-Associate
- AWS Certified Cloud Practitioner
- AWS Certified AI Practitioner
- Professional Scrum Master II (PSM II)
- Professional Scrum Master I (PSM I)
- Professional Scrum Product Owner I (PSPO I)

WORK HISTORY (LAST 10 YEARS)

Technical Architect – AWS Platform

09/2024 - Current

Nityo Infotech Services Inc. (Contractor)

Consulting (Deployed to IBM for Synapxe)

HealthTech (Public Health)

- **Architected cloud-native and hybrid AWS solutions**, improving **system reliability**, reducing **latency**, and enabling **scalable operations**. Developed “To-Be” architectures and evaluated new AWS capabilities for strategic adoption.
- Contributed to **Proof of Concepts (POCs)** to validate architectural choices and assess innovative AWS services, supporting both **C# application development** and **cloud infrastructure initiatives**.
- **Delivered up to 30% reduction in infrastructure costs** for key projects through **optimized cloud architecture**, **right-sizing**, and **serverless adoption**.
- Implemented **platform governance and compliance standards**, including **reusable templates** with **CloudFormation** and **Terraform**, and **observability frameworks** to ensure consistent provisioning, **security compliance**, and operational efficiency.
- Collaborated with **CI/CD teams** to build and maintain pipelines using **Azure Pipelines** and **Ansible**, automating recurring operational tasks and improving **release reliability**.
- Designed **observability and monitoring strategies** using **Amazon Managed Grafana**, **Amazon Managed Prometheus**, **CloudWatch**, and **AWS X-Ray**. Built dashboards for key infrastructure and application metrics, improving **mean time to detect (MTTD)** and enabling **proactive incident management**. Supported **Dynatrace migration** for enhanced end-to-end observability.
- Configured **secure networking** and enforced **security best practices** with **VPC Interface Endpoints**, **Gateway Endpoints**, **IAM**, **Security Hub**, **GuardDuty**, **Inspector**, and **Microsoft Defender for Endpoint**, focusing on **PII protection** and **regulatory compliance**.
- Applied **SRE practices** for platform reliability, including **incident response**, **root cause analysis**, and **proactive system maintenance**. Supported **KTLO operations** for production environments.
- Contributed to **cloud migration** initiatives from Azure and on-premise environments to AWS, including rehosting (lift-and-shift) of servers, replatforming applications, and migration of legacy databases to modern, scalable cloud solutions.
- Mentored **2 .NET software engineers** directly and supported development teams across a **60+ resource offshore delivery center** on cloud adoption and best practices.
- Participated in **Application Design Council (ADC) meetings** and **Technical Design Reviews (TDRs)** for the Singapore client, ensuring **compliance**, **security**, and **operational excellence**.
- Produced **comprehensive cloud infrastructure and operational documentation**, including inventories, deployment procedures, system configurations, monitoring strategies, and support workflows. Contributed to Technical Design Specification (TDS) documents, **Architectural Diagrams**, **Total Cost of Ownership (TCO) analyses**, **Migration Plans**, and **Statements of Work (SOWs)** to ensure clarity, consistency, and alignment across projects and stakeholders.

Software Architect (Technical Manager / Technical Project Manager / Scrum Master)

10/2020 - Current

FSG Technology Ventures Inc. (Consultant)

FinTech, Banking, Warranty & Insurance

- Provide **technical and delivery leadership across multiple companies under FSG Technology Ventures**, supporting platforms for **digital payments (fintech), banking services, and appliance warranty & insurance systems**.
- Grew and managed the **core engineering team (Digipay)** from 7 to 12 engineers, providing mentorship, career guidance, and technical leadership across projects.
- Responsible for **engineering recruitment, technical interviews, onboarding, and team capability development**.
- Manage **team performance and accountability at the project level**, including mentoring underperforming team members and making difficult personnel decisions when necessary.
- Directed a major **IT reengineering initiative across group platforms**, streamlining IT operations by up to **40%** and improving delivery processes.
- Led the adoption of **Test-Driven Development (TDD)** and modern engineering practices, improving code quality and reducing production defects.
- Designed and implemented **cloud-native and serverless architectures**, reducing cloud infrastructure costs by **~35%** while improving scalability and reliability.
- Contributed to the establishment of **AWS Control Tower landing zones**, supporting the setup of a governed multi-account environment with proper organizational units, guardrails, and compliance controls for secure and scalable cloud operations.
- Contributed to **cloud engineering initiatives**, including infrastructure architecture, deployment automation, and system observability.
- Architect and evaluate software solutions using **Ruby and Python**, strengthening security protocols and improving data processing performance by **~40%**.
- Maintain **Architecture Decision Records (ADR)** and produce technical artifacts including **system architecture diagrams, TCO models, Statements of Work (SOW), and Risk & Assumptions documents** for architecture governance and delivery planning.
- Designed and implemented **IT Service Management (ITSM) workflows**, improving incident management, change control, and operational transparency.
- Developed **regulatory and compliance documentation**, including materials supporting **BSP regulatory requirements and vendor governance**.
- Led **code quality initiatives and peer code reviews** to maintain engineering standards and continuous improvement.
- Established and managed **CI/CD pipelines with automated build, testing, security, and deployment stages**, integrating **SonarQube for code quality analysis and technical debt management** and **Snyk for vulnerability scanning of dependencies and container images**, improving release reliability and application security.
- Facilitated **Agile ceremonies and Scrum practices**, including sprint planning, backlog refinement, sprint reviews, and retrospectives.
- Coordinated **project delivery across multiple teams and business units**, ensuring transparency of progress, risks, and dependencies.
- Worked with leadership and stakeholders to define **product vision, technology strategy, and roadmap priorities** aligned with business goals.

Cloud Architect - AWS Consultant

10/2025 - Current

Webisoft (Retainer)

Consulting (Blockchain & Platform Engineering)

- Provide **AWS cloud architecture and advisory services**, assisting teams on scalable cloud adoption, hybrid integrations, and platform architecture design.
- Advise on the **setup and governance of AWS Control Tower landing zones**, helping establish secure, well-structured multi-account environments with proper guardrails and compliance controls.
- Design and recommend **Infrastructure as Code (IaC) strategies** using **Terraform and AWS CloudFormation** to enable repeatable, maintainable, and scalable infrastructure deployments.

- Support engineering teams with **cloud engineering best practices**, including infrastructure design, deployment automation, and operational resilience.
- Provide guidance on **monitoring, logging, cost optimization, and cloud governance frameworks** to improve system reliability, observability, and operational efficiency.
- Review system architectures and technical designs, ensuring **alignment with AWS best practices and scalable cloud-native patterns**.
- Coordinate with product teams and engineers as needed to support cloud architecture decisions and delivery goals.

Senior Analyst/Programmer (Lead Engineer)

08/2020 - 04/2024

Nityo Infotech Services Inc. (Contractor)

Consulting (Deployed to Essilor Shared Services Inc Philippines-EssilorLuxottica USA & France)

HealthTech (Eye Care)

- Served as one of the **Lead Engineers** within Agile teams responsible for developing and maintaining **eyecare web and mobile applications** supporting global platforms such as **allaboutvision.com program**.
- Led the architecture and development of scalable cloud-based systems using .NET, Python, and Spring Boot across **two projects**, improving platform efficiency and reducing cloud operational costs by ~40%.
- Contributed to the design and implementation **AWS-based infrastructure and cloud engineering solutions**, including monitoring and observability using **Prometheus and Grafana dashboards**.
- Contributed to **cloud migration initiatives from Azure to AWS**, including participation in the design and setup of **AWS Control Tower landing zones**, supporting application transition, infrastructure readiness, and secure multi-account environment setup.
- Contributed to **cloud infrastructure design, deployment automation, and operational monitoring**, improving system reliability, scalability, and performance.
- Provided **technical leadership and mentoring** to engineers, supporting architecture decisions, code quality, and development best practices.
- Led a dedicated engineering team responsible for designing **payment-related and ordering-related microservices (C#)** for the CLX project.
- Contributed hands-on to **full-stack development**, including feature implementation, system integration, and production support.
- Participated actively in **Agile Scrum ceremonies** including sprint planning, stand-ups, sprint reviews, and retrospectives to ensure team alignment and delivery progress.
- Collaborated closely with **design, marketing, product management, and business stakeholders** to translate requirements into scalable technical solutions.
- Assisted in the implementation and support of **CI/CD pipelines**, improving deployment reliability and delivery speed.
- Produced **technical and functional documentation**, including **system architecture diagrams, API documentation, technical design specifications, integration documentation, migration plans, deployment guides, and operational runbooks**, supporting maintainability and team knowledge sharing.

Software Development Manager

06/2020 - 10/2023

Cynder Technologies Inc. (Contractor)

Software Development and Outsourcing (FinTech, HealthTech, and Telco)

- Managed and scaled a **software engineering team from 7 to 11 engineers**, including backend, frontend, QA, and DevOps roles.
- Led the **full hiring lifecycle**, including candidate sourcing, technical interviews, hiring decisions, onboarding, and team development.
- Conducted **performance evaluations, mentoring, and coaching**, supporting engineers' technical growth and career development.
- Managed **team performance and personnel decisions** when necessary, holding regular 1:1s to provide mentorship, guidance, and constructive feedback, ensuring a productive and high-performing engineering team.

- Oversaw development of **scalable web and mobile platforms** for fintech, healthcare, telecommunication, and other clients.
- Provided **hands-on technical leadership**, occasionally serving as **Technical Lead on key projects**, contributing to system design, architecture decisions, and complex feature development.
- Guided teams in implementing **AWS-based cloud architectures** to improve scalability and reliability.
- Supported clients in **designing AWS landing zones**, establishing secure, multi-account cloud environments with proper governance and best practices.
- Implemented **Agile delivery practices (Scrum/Kanban)** to improve development efficiency and delivery predictability.
- Established **engineering standards, architecture reviews, and code quality practices**.
- Introduced **DevOps and CI/CD pipelines** to support faster and more reliable software releases.
- Maintained delivery oversight through **team performance tracking, reporting, and proactive risk management**.
- Collaborated with clients to translate **business requirements into scalable technical solutions and architecture designs**.
- Produced technical artifacts supporting proposals and project planning including **Executive Solution Briefs, Architecture Diagrams, TCO Models, Migration Plans, RFP Responses, Statements of Work (SOW), and Risk & Assumptions Logs**.

Head of Engineering and Director

09/2019 - 02/2021

Tagani Inc. (Part-time, Internal)

Agritech

- Established the foundational **cloud and software architecture**, defining the “to-be” state for engineering processes, infrastructure, and development practices to support scalable operations.
- Designed and implemented **cloud-enabled solutions** using .NET, Python, and hybrid deployments, optimizing system reliability, performance, and integration with hardware interfaces.
- Led full-stack **application development and cloud deployments**, ensuring high availability, observability, and automated delivery pipelines.
- Introduced **Agile and DevOps practices**, facilitating sprint planning, daily stand-ups, sprint reviews, and retrospectives; trained team members in Scrum methodologies.
- Conducted peer and general code reviews, enforcing cloud-native development **best practices**, secure coding, and CI/CD integration.
- Supervised engineering teams and established cloud-focused workflows, mentoring engineers on architecture, operational standards, and modern software practices.
- Supported **recruitment and team formation**, ensuring engineering teams had skills aligned with cloud initiatives and technical growth.
- Led **digital transformation initiatives**, driving cloud adoption, automation, and modernization of legacy processes to improve operational efficiency.
- Developed the **strategic technology roadmap**, including cloud strategy, platform selection, and technology acquisitions aligned with business objectives.
- Architected scalable, maintainable cloud systems and software platforms, incorporating monitoring, logging, and operational observability for production readiness.
- Provided mentorship and professional development through regular 1:1s, fostering adoption of cloud practices and engineering excellence across the team.
- Oversaw end-to-end engineering and automation operations, including **CI/CD pipelines, infrastructure provisioning, and operational monitoring**, ensuring reliability and efficiency.

Senior Full-Stack Developer (Hired as Senior Backend Engineer)

11/2018 - 05/2020

Flying Cockatoo Inc. (Full-time, Internal)

Fintech (Online Gambling)

- Instrumental in establishing the initial software and cloud architecture, delivery processes, and engineering culture, resulting in accelerated product development, scalable operations, and improved cloud efficiency.

- Led end-to-end development, enhancement, and deployment of enterprise-grade **full-stack web applications** using .NET and modern JavaScript frameworks, improving performance, scalability, and user experience across customer-facing systems.
- Designed and implemented **cloud-based infrastructure** on AWS and Azure, including compute, storage, networking, and messaging components, enabling secure, cost-efficient, and scalable operations.
- Built and maintained **CI/CD pipelines**, reducing deployment time, increasing release reliability, and enabling faster feature rollout across multiple environments.
- Provided **technical leadership and mentorship** to a cross-functional team building a centralized Agent Management System, improving productivity, engineering best practices, and team autonomy.
- Championed **code quality and engineering standards**, including peer reviews, quality gates, and adherence to architectural principles to ensure maintainable, reliable, and secure deliverables.
- Collaborated with **product, QA, and design teams** to translate product requirements into actionable technical plans and deliver high-quality software on schedule.
- Introduced and applied **Scrum and Agile practices**, participating in sprint planning, daily stand-ups, sprint reviews, and retrospectives to support workflow efficiency and cross-team communication.

Senior Software Developer

07/2018 - 10/2018

Shore 360 (Contractor)

BPO (Deployed to Damstra Technology)

Mining and Workforce Management

- Developed, maintained, and deployed full-stack web applications, ensuring robust performance, scalability, and reliability.
- Contributed to cloud deployments, configuring scalable storage, databases, and compute components to support workforce management systems.
- Identified and resolved technical issues, maintaining a stable and reliable application environment.
- Collaborated with cross-functional teams (designers, product managers, developers) to deliver an internationalized workforce management system for mining and HR industries.
- Ensured **seamless system integration** of new features and updates, maintaining high **code quality and performance standards**.
- **Established and supported CI/CD pipelines**, streamlining development and improving deployment efficiency.
- Actively participated in Scrum ceremonies, including daily stand-ups, sprint planning, and retrospectives, to ensure efficient project delivery.

L2 Software Engineer (Software Engineer III)

04/2017 - 07/2018

888 Philippines Software Development Inc. (Full-time, internal)

Software Development Consulting (Mostly deployed to Accenture)

- Developed, maintained, and deployed **SaaS web applications** using .NET and Java/Spring Boot, ensuring **performance, scalability, and user satisfaction**.
- **Established and maintained CI/CD pipelines**, enabling automated, **reliable cloud deployments** across multiple environments.
- Provided **ongoing cloud and application maintenance**, ensuring **system stability and operational reliability**.
- Led a small team of **three engineers** to deliver **back-office and proof-of-concept applications**, meeting quality and timeline objectives.
- Collaborated with **product managers, engineers, and stakeholders** to ensure solutions met **business and cloud architecture requirements**.
- Participated in **Scrum ceremonies** and applied **Extreme Programming (XP) practices**, including **pair programming, TDD, and continuous integration**, to improve **code quality and cloud readiness**.
- Contributed to the **migration** of on-premise enterprise applications to the cloud, supporting improved scalability, reliability, and operational efficiency.
- Produced **technical documentation**, including **Technical Design Specifications, Risk & Assumptions logs, and cloud system diagrams**, to support transparency and operational alignment.

Technology Consultant (.Net Developer/Engineer)

01/2016 - 04/2017

Hewlett-Packard Enterprise / DXC Technology (Full-time, internal)

Consulting

- Designed, developed, maintained, and deployed **.NET and Python web applications**, ensuring high performance, scalability, and reliability.
- Assisted in establishing and maintaining **CI/CD pipelines**, enabling **repeatable and reliable deployments** across multiple projects.
- Provided ongoing **application support and issue resolution**, ensuring **system stability, security, and reliability**.
- Designed and architected **scalable, maintainable software systems** aligned with business objectives and technical standards.
- Collaborated with **project managers, designers, QA, and development teams** to deliver cohesive solutions that met stakeholder requirements.
- Actively participated in **Scrum ceremonies** (daily stand-ups, sprint planning, reviews, retrospectives), guiding a small team in adopting **Agile best practices** for smoother delivery cycles.
- Led a small team to develop **internal automation tools and web applications**, fostering **innovation, productivity, and engineering excellence**.
- Optimized **development processes and cloud delivery workflows**, streamlining CI/CD and operational procedures, resulting in **measurable efficiency gains, improved system reliability, and enhanced user satisfaction**.

PERSONAL INFORMATION

- Age: 33
- Nationality: Filipino