

RIZELLE B. BAUTISTA

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[AWS Developer Associate](#) • [AWS AI Practitioner](#) • [AWS Cloud Practitioner](#) • [CompTIA ITF+](#)

PROFESSIONAL SUMMARY

Cloud-native Software Engineer with proven hands-on experience designing, deploying, and automating production AWS infrastructure end-to-end. At WebPuppies (Singapore), independently architected and owned a full enterprise CloudOps lifecycle — pipeline design, CI/CD implementation via GitHub Actions and AWS CodePipeline, event-driven automation, monitoring with CloudWatch, and zero-downtime deployments — all from scratch. Experienced Linux administrator through real-world edge computing on Raspberry Pi 5 (Debian/Linux): OS setup, service management, networking, and CLI operations under production constraints. Proficient with Python and Bash scripting, AWS ecosystem (3x certified), Jira-based project workflows, and Agile/DevOps methodologies. Passionate about automation, cloud-native best practices, and continuous learning — actively growing expertise in Terraform, Datadog, and configuration management tools.

PROFESSIONAL EXPERIENCE

Software Engineer — AI & Cloud | **WebPuppies, Singapore (Remote)** *December 2025 – Present*

Pioneer Lead — CloudOps, DevOps & AWS Platform Engineering

- Owned the complete CloudOps lifecycle from zero: architecture planning, AWS service provisioning, CI/CD pipeline implementation, event-driven workflow design, production deployment, monitoring setup, and ongoing operational support.
- Designed and implemented end-to-end CI/CD pipelines using GitHub Actions, AWS CodeBuild, AWS CodePipeline, and AWS SAM CLI — enabling zero-downtime Lambda deployments with automated build, test, and deploy stages across all environments.
- Built and maintained fully serverless, highly available cloud infrastructure on AWS Lambda, Step Functions, S3, DynamoDB, and API Gateway — architected for enterprise-scale reliability and scalability.
- Developed event-driven automation workflows on AWS Step Functions capable of processing 120,000+ row files with real-time status updates, automated error handling, and retry logic — achieving zero-touch operations at scale.
- Enforced cloud security and compliance using AWS IAM, Secrets Manager, and Bedrock Guardrails across all infrastructure resources and AI outputs.
- Monitored system health and operational stability using AWS CloudWatch — configured alarms, dashboards, and log-based alerts; proactively resolved operational issues before customer impact.
- Advocated for and implemented DevOps best practices: IaC-style AWS SAM templates, environment parity across dev/staging/prod, automated testing gates, and structured deployment workflows aligned with Agile delivery.
- Collaborated with the Head of Technology to translate business requirements into cloud architecture; served as the sole cloud engineer supporting the company's AWS APN Standard Tier partnership application.

President | **AWS Learning Club — JRU Chapter** *March 2025 – Present*

- Grew organization to 150+ members; guided 15 to AWS Cloud Practitioner certification — highest AWS-certified membership across all AWS Cloud Club chapters in the Philippines.
- Coordinated multi-team event delivery for AWS Student Community Day Mega Manila 2025 (400+ participants) using Jira for task management, milestone tracking, and cross-team collaboration.
- Fostered continuous learning culture: conducted structured technical sessions, hands-on cloud labs, and shared DevOps knowledge with members; established subsidized Tutorials Dojo certification resources.

Web Developer & Data Analyst Intern | **Analytics & AI Association of the Philippines** *October 2024 – Present*

- Developed and launched full-stack websites (aap.ph, aicon.ph) to production: configured domain, DNS, and AWS cloud hosting; independently executed the live deployment and domain connection.
- Managed ongoing SEO optimization achieving top Google search rankings; integrated third-party payment APIs (Helixpay) and maintained system reliability through structured testing.

KEY PROJECTS — CLOUD, LINUX & DEVOPS

Lily — Intelligent Campus Robot (Undergraduate Thesis) | Raspberry Pi 5, Linux (Debian), Python, FastAPI, React, AWS

- Administered a Linux-based edge system (Raspberry Pi OS / Debian) end-to-end via CLI: OS installation and configuration, dependency and package management, system service setup (systemd), network administration, and continuous hardware-software integration troubleshooting.
- Deployed and hosted the robot admin dashboard to AWS — configured cloud hosting, networking, security groups, and access control for production availability accessible by non-technical university staff.
- Orchestrated 5 simultaneous AI services on constrained Linux hardware — managed CPU/memory resource allocation, process prioritization, and service stability under continuous production load to maintain 2-4 second response times for 1,000+ projected student users.
- Implemented hybrid cloud-edge failover architecture: when internet drops, the system transparently switches from Groq cloud LLM + ElevenLabs TTS to fully local Ollama LLM + pyttsx3 with zero service interruption — a real-world high-availability pattern.
- Reduced infrastructure cost 80% (100,000 PHP to 30,000 PHP) versus industry-standard solutions through cloud-edge hybrid design and open-source tooling on Linux edge hardware.
- Built Python/FastAPI backend with Supabase cloud architecture and web-based remote management console — enabling non-technical staff to update the knowledge base, monitor status, and control the robot without physical access.

Highly Available Web Application | AWS: VPC, EC2, RDS MySQL, ALB, Auto Scaling, CloudWatch, IAM, Secrets Manager

- Architected and deployed a scalable multi-tier web application across multiple AWS availability zones: Auto Scaling Groups with CloudWatch CPU-based alarms, Application Load Balancer, and Multi-AZ RDS MySQL.
- Configured VPC networking, security groups, IAM roles, and AWS Secrets Manager; performed load testing and validated fault tolerance. Deployed via Elastic Beanstalk with automated infrastructure provisioning.
- Managed EBS volumes, snapshots, and created Lambda functions with EventBridge triggers for automated infrastructure scheduling — hands-on IaC and event-driven operations experience.

Production Website Deployments — aap.ph / aicon.ph | WIX, SEO, HelixPay, WildApricot

- Sole engineer responsible for connecting websites to production domains, configuring DNS and cloud hosting, and independently launching both sites live — first end-to-end independent production deployment.
- Ongoing operational ownership: SEO management for top Google search rankings, third-party API integrations, and system reliability maintenance.

THRIVE — Inclusive Job Platform for PWDs | Java, JavaScript, Firebase, Python, STT/TTS

- Team Leader and Full-Stack Developer; managed full SDLC from planning through deployment. Designed database schema and system architecture; integrated AI accessibility features (STT/TTS). Finalist in PLDT & Smart Innovation Generation Season 4; validated by PDAO Cainta.

TECHNICAL SKILLS

Cloud & AWS: Lambda, Step Functions, S3, API Gateway, DynamoDB, EC2, RDS, CloudWatch, Elastic Beanstalk, Auto Scaling, CodeBuild, CodePipeline, SAM CLI, IAM, Secrets Manager, VPC, EventBridge, Bedrock

CI/CD & DevOps: GitHub Actions, AWS CodeBuild, AWS CodeDeploy, AWS CodePipeline, AWS SAM CLI — end-to-end pipeline design, zero-downtime deployments, multi-environment automation

Linux Admin: Raspberry Pi OS (Debian), Ubuntu — OS configuration, systemd service management, CLI administration, package management, networking, process/resource optimization

IaC & Automation: AWS SAM (CloudFormation-based IaC), event-driven infrastructure design; actively learning Terraform, Ansible, Jenkins

Scripting & Dev: Python (Expert), Bash Scripting, JavaScript/TypeScript, Java, PHP, Node.js, React/Next.js, FastAPI, RESTful APIs

Monitoring: AWS CloudWatch (alarms, dashboards, log groups, metric filters); learning Datadog

Databases: MySQL, SQL Server, PostgreSQL, Oracle, DynamoDB, Supabase, Firebase, pgvector

Project Tools: Jira (multi-project experience), Agile/SDLC, technical documentation, knowledge sharing & mentoring

Soft Skills: Proactive communication with technical and non-technical stakeholders, cross-team collaboration, continuous learning, constructive feedback, attention to detail

CERTIFICATIONS

- AWS Developer Associate
- AWS AI Practitioner

- AWS Cloud Practitioner
- CompTIA ITF+

AWARDS & RECOGNITION

- 2nd Place — Globe Telecom Code-To-Career Hackathon 2025 | Python data engineering for real-world solution development
- Hack-Nation AI Global Hackathon — Selected to compete alongside participants from MIT, Harvard, and Stanford University
- Finalist — PLDT & Smart Innovation Generation Season 4 | Led full-stack development of THRIVE as project manager and team leader
- Super AI 2025 Singapore Delegate — One of 100 students worldwide selected to attend the largest international AI summit

EDUCATION

Bachelor of Science in Computer Engineering | Jose Rizal University, Philippines 2022 - 2026

- Dean's Lister • DOST SEI Scholar