

Luis Joaquin V. Zara

Cloud/DevOps Engineer

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Education

University of Santo Tomas - Manila

August 2022 - May 2026

- Bachelor of Science in Information and Technology (Network and Security Track)

Capstone: Network Server Implementation at Pinnacle Review School (Project Manager/Network Engineer)

- Designed and implemented a segmented network infrastructure supporting 500+ users through VLANs, ACLs, role-based network segmentation, and a load-balancing and failover-ready network architecture, improving security, scalability, and performance.
- Deployed and administered a Kali Linux server hosting FreeRADIUS, DHCP, and Samba services for centralized authentication, network access control, IP address allocation, and secure file sharing.
- Optimized wireless coverage and upgraded infrastructure with enterprise-grade firewall routers, managed PoE switches, controllers, servers, and access points, achieving 99% uptime, 90%+ wireless coverage, and maintaining 30% spare capacity during peak operations.

Experiences

Noventiq Services International Philippines Inc. (Delivery Intern)

February 2026 - June 2026

- Developed PowerShell scripts for bulk Microsoft 365 provisioning, UPN-to-alias migration, and SMTP updates for **300+ users** and **1,000+ records** in a hybrid Microsoft Entra ID environment.
- Assisted with testing and troubleshooting Microsoft 365, Entra ID, Intune, Defender, BitLocker, DLP, and SAML SSO in enterprise lab environments.

Projects

DevSecOps CI/CD Pipeline Lab (personal project — demonstration environment)

- Built an end-to-end DevSecOps demonstration platform: a 15-stage Jenkins pipeline that tests (Jest), security-scans (Trivy, SonarQube, Gitleaks), containerizes (Docker), and deploys a Node.js app to Kubernetes with automated smoke tests and rollback-safe rolling updates.
- Integrated full observability - Prometheus metrics, provisioned Grafana dashboards, and a live web portal surfacing real pipeline output (scan results, quality gates, build history) after every run, with monitoring health enforced as a build gate.
- Leveraged AI pair-programming (Claude Code) with human-led architecture and code review; authored ADRs, runbooks, and a security model, making the lab reusable as a reference blueprint for production CI/CD adoption.

[joags.online](#) — Personal Site on AWS · [joags.online](#) · github.com/luiszaragh/joags.online

- Built and deployed a live website entirely through code instead of a hosting dashboard — 30 AWS and Cloudflare resources defined in Terraform, covering private storage, a global content delivery network, and HTTPS certificates.
- Secured deployments with no stored passwords or access keys, using short-lived credentials that work only from one repository and one branch, plus automated secret scanning to keep sensitive data out of a public repo.
- Automated the release process on every code change — the site rebuilds, publishes, clears its cache, and confirms it is actually live before the deploy is allowed to pass, with a \$10 monthly budget alarm guarding against surprise costs.

Certifications

- **Amazon Web Services**
 - [DevOps Engineer - Professional \(DOP-C02\)](#)
 - [Solutions Architect - Associate \(SAA-C03\)](#)
 - [CloudOps Engineer - Associate \(SOA-C03\)](#)

Skills and Interests

Programming Languages: Java, JavaScript, PHP, Bash, HTML, CSS, Python

Scripting: Bash and PowerShell

Networking: Cisco, AWS Networking, Windows Server Networking, TP-Link Devices

Operating Systems: Windows, Linux, macOS

AWS (EC2, IAM, S3, VPC, CloudWatch, CloudFormation, CodeBuild, CodeDeploy)

Microsoft 365 (Entra ID, Intune, Purview, Defender, Outlook, SharePoint)

Tools: Git, GitHub, GitHub Actions, Jenkins, Docker, Kubernetes, SonarQube, Trivy, Cisco Packet Tracer, Claude Code, Terraform