

CHYLE ANDREI LEE

Cloud & Platform Engineer | Distributed Systems | Azure & Edge Computing

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SUMMARY

Cloud and platform engineer with hands-on experience building **distributed microservice systems across cloud and edge environments**. Proven record delivering **offline-first edge deployments, API-driven orchestration, CI/CD automation, and enterprise AI-assisted developer tooling**. Strong background in **C#, .NET, Azure, gRPC, microservices, and cloud-to-edge integration**, with experience designing **rollback-safe deployment pipelines and scalable system architectures**. Seeking cloud, platform, or integration engineering roles with a clear path to **Solutions Architect and Engineering Manager**.

CORE SKILLS

Cloud & Infrastructure

Azure, AWS, Edge Computing (Zededa), Cloud APIs, Distributed Systems, CI/CD, Infrastructure as Code (IaC), Cloud Networking, Cloud Security, Observability

Backend & Platform

C#, .NET, Java, Node.js, gRPC, REST APIs, Microservices, API Gateways, Event-Driven Systems, Service-to-Service Communication

Frontend

React, Next.js, Angular

AI & Data

RAG Pipelines, LLM Integration (OpenAI, Claude), Document & Image Ingestion, Vector Databases, Retrieval Systems

DevOps & Ops

Docker, Kubernetes, Git, Azure DevOps, Terraform (migration off state-based workflows), Linux

PROFESSIONAL EXPERIENCE

Full-Stack / Cloud Platform Engineer

Emerson — Mandaluyong, Philippines

April 2025 – Present

- **Designed and implemented an offline-first edge computing deployment architecture** using **Zededa**, consisting of a centralized **Edge Sync Server** that propagates configuration and application updates to distributed edge nodes operating in disconnected environments.
 - **Spearheaded a zero-touch edge provisioning proof-of-concept**, enabling centralized rollout, configuration sync, and recovery across multiple edge devices without manual intervention.
 - **Re-engineered** the deployment initializer by replacing Terraform state with native Zededa APIs, **enabling crash-safe, idempotent, and remotely recoverable deployments**.
 - **Redesigned the application installer and upgrade architecture** to support **direct upgrades from any historical version to the latest release**, eliminating chained version upgrades and significantly reducing production rollout risk.
 - Built and deployed **.NET microservices and gRPC pipelines** to support configuration, control-plane communication, and distributed ingestion between cloud and edge environments.
 - Built **cloud-backed developer tooling (React, Next.js, Angular, LLMs)** for real-time device management, automated PR reviews, and enterprise knowledge retrieval.
 - **Implemented a self-serve enterprise knowledge retrieval platform using RAG pipelines (documents and images)**, eliminating dependency on specific subject-matter experts and enabling instant access to operational and technical data.
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Student Intern – IT Automation & Platform Ops

ING Hubs Philippines — Taguig, Philippines

Oct 2024 – Feb 2025

- Automated **70% of workstation provisioning** using scripting and configuration pipelines, reducing setup time by **50%** and improving security compliance.
 - Deployed and configured **1,000+ corporate laptops**, ensuring network, authentication, and system hardening standards were met.
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Junior Software Developer

Navitaire (Amadeus) — Taguig, Philippines

Sept 2023 – Dec 2023

- Developed **Angular components** that consumed backend APIs for real-time airline data.
 - Collaborated with **QA and database teams** to ensure data integrity and system consistency across frontend and backend layers.
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IT Intern

Accenture Philippines — Mandaluyong, Philippines

Jul 2022 – Sept 2022

- Built an **augmented-reality (AR) prototype** using **Microsoft Power Apps and custom connectors**, enabling interactive 3D product visualization for client demos.
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KEY PROJECTS

ManilaBot — *Node.js, Azure DevOps, Azure Logic Apps*

- Built an **AI-powered PR reviewer** that analyzes code diffs for defects, style violations, and security issues.
- Generates **inline code comments with remediation guidance** and produces per-PR review-time estimates to support triage and prioritization.

NexusAI — *React, .NET, Azure, gRPC*

- Enterprise **RAG** platform using **.NET, Azure**, and **gRPC** for document and image search.
- Built ingestion and embedding pipelines for low-latency semantic retrieval.

OnYou — *Next.js, AWS, Node.js, Puppeteer*

- **AI-powered data extraction** platform using **AWS, Node.js**, and **Puppeteer**.
 - Integrated **LLMs** for merchant persona inference and product classification.
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EDUCATION

BS in Information Technology — De La Salle University Manila (Cum Laude, CGPA 3.43)

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals

AWS Academy Graduate – Cloud Foundations

CCNA: Introduction to Networks

COMPETITIVE PROGRAMMING

- Algolympics (University of the Philippines) — Finalist
- Reply Code Worldwide — Top 0.5%