

Summary

Software engineer with 7+ years building cloud systems and backend platforms — currently Development Expert at SCCC, helping run Alibaba Cloud in Saudi Arabia. I modernize databases and backend platforms (PostgreSQL, MySQL), build billing-grade systems in Python and Java, and work across Kubernetes, Keycloak identity, and agentic AI tooling. I enjoy sharing knowledge and delivering systems that keep working after the demo is over.

Experience

Saudi Cloud Computing Company — SCCC (Alibaba Cloud KSA)

APR 2023 — PRESENT

Development Expert · Riyadh

- Lead modernization of production backend platforms, including MySQL → PostgreSQL migrations with production-safe strategies: concurrent indexing, lock-aware changes, and careful cutovers.
- Operate and tune highly available PostgreSQL — Patroni-based clusters, replication and failover, autovacuum and bloat management, slow-query analysis, and memory/performance tuning.
- Design and build a revenue-management platform (FastAPI + PostgreSQL): consumption processing at millions of rows, VAT-precise calculations, customer billing cycles, allocation priority rules, and automated data-quality checks; evaluated billing engines (Lago, Kill Bill) against complex invoicing requirements.
- Implement identity and SSO with Keycloak across SAML and OpenID Connect — JWT validation vs introspection, Alibaba Cloud RAM integration, and migrating Spring Boot / Spring Security services to Keycloak.
- Run containerized workloads on Kubernetes with Helm and ArgoCD; CI/CD through Jenkins and GitLab CI; observability with Prometheus and self-hosted Sentry.
- Develop agentic AI tooling — LLM-powered agents that automate engineering and operational workflows end to end.

Saudi Information Technology Company — SITE

OCT 2022 — APR 2023

Senior Software Engineer · Technical Lead

- Led a team of seven developers as Technical Lead, overseeing development and delivery of a critical software project for a major client.
- Contributed to the overall technical architecture, introducing best practices and driving code and PR reviews.
- Refactored and enhanced existing code, improving system behavior and communication with other services.
- Collaborated with client, product owner, and quality assurance to align scope and goals.

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NOV 2018 — OCT 2022

Software Engineer

- Led implementation of roadmap features and contributed to technical discussions on requirements and best practices.
- Migrated a core application to multi-tenancy with multiple database schemas.
- Built a utility app automating operational tasks through a Slack bot.
- Troubleshoot production issues, monitored platform impact of new features, and supported the support engineers.

- Worked on the Avaya system and gained familiarity with VOIP and the SIP protocol.

Education

Imam Muhammad Ibn Saud Islamic University

SEP 2018

Bachelor of Information Technology — GPA 3.99 / 4.0

Technologies

Languages & frameworks: Python (FastAPI, Django, SQLAlchemy, Celery), Java (Spring Boot, Spring Cloud) ·**Data:** PostgreSQL (Patroni HA, pgloader), MySQL, CockroachDB, Redis, Elasticsearch, RabbitMQ · **Cloud &****platform:** Alibaba Cloud, Kubernetes, Helm, ArgoCD, OpenShift, Docker, Nginx/OpenResty, MinIO/S3 · **AI:**agentic AI, LLM integration · **Identity:** Keycloak, OpenID Connect, SAML, LDAP, JWT · **Observability & tooling:**

Prometheus, Sentry, CI/CD (Jenkins, GitLab CI), pytest, Git, Linux, Bash

Selected projects

- **omari.sh** — personal site and self-hosted infrastructure: Docker behind Nginx, with a self-hosted mail server (full DNS/MX/SPF/DKIM setup) on the same host.
- **CSV processing pipeline** — AWS serverless stack: uploads land in S3 and S3 event notifications trigger a Lambda function that processes the files.
- **Battle Rattle** — 2D game in Godot · **Sahm** — finance app on Oracle OCI.