

Ali AlQattan



Software Engineer — cloud operations & AI agent tooling

Manama, Bahrain · +973 38908908 · ali.al8attan@gmail.com

[Portfolio & contact](#) · [GitHub](#) · [LinkedIn](#) · [Vox project](#)

Profile

Software engineer in cloud operations and AI agent tooling. Runs day-to-day AWS operations for a licensed digital bank — production deploys, Python/boto3 and Systems Manager automation, and Terraform modules — in a regulated, audited environment. Outside work, ships complete agent tooling alone, plus Flutter apps on the App Store and Google Play.

Experience

Software Engineer, Cloud Operations (HR title: SysOps & Operations Specialist)

Bank ABC (ila Bank) · Nov 2022 – present

- Run day-to-day cloud operations for a licensed digital bank in Bahrain and Jordan across dev, UAT, SIT and production accounts — production deploys through Jenkins, incident investigation, access and change management in a regulated, audited environment.
- Keep the legacy core-banking estate running alongside the cloud — the end-of-day batch and Control-M job chains, Oracle replication through DMS, Linux and PCI golden-image patching with Systems Manager, and AWS Backup policies; built SSM automations for daily database refreshes and a scheduled scale-up/down engine for non-production EKS and Aurora.
- Built a guarded operations toolkit for the AWS estate — one scripted command per task across EKS, databases, Lambda, EC2 and Jenkins, dry-run by default, explicit execution and production confirmation, an account guard that refuses any AWS change aimed at the wrong account, and secrets kept out of every output.
- Own the server security-agent fleet — Taegis (EDR), Symantec (antivirus) and Tripwire (file-integrity monitoring): scripted install, upgrade and verification through Systems Manager, including finding and fixing golden-image servers that registered with cloned agent identities, so the security console saw two servers as one; remediate Tenable/Nessus vulnerability findings with InfoSec and run PCI image patching.
- Built the Lambda Operations Console, where operations staff run approved customer operations on live production with a test run before every real change, and the monitoring that emails the service desk — including an onboarding watch for Bahrain and Jordan that checks every 5 minutes, whose 30-day backtest found an 8-hour outage nobody had noticed.
- Built a reusable, security-hardened Terraform module library with an estate console for inventory and reviewed Terraform changes, validated against real AWS on the sandbox account.

ServiceDesk Engineer, ila Bank (full-time contractor)

Computer World · Sep 2020 – Nov 2022

- Monitored ila Bank's AWS services (CloudWatch, Logs Insights, Step Functions), raising incidents and following them up with the owning teams, before moving to cloud operations.

Developer (part-time)

Online Media & Trading · Feb – Sep 2020

- Developed 10+ mobile applications for 10 different clients, with Flutter on the front end and Firebase on the back end.

ICT Department

Dar Albilad Newspaper · Feb 2019 – Sep 2020

- Built internal systems and automations for other departments, including a WhatsApp news-broadcast system, and monetized the paper's WhatsApp channel through Google Ads.

Website Developer (part-time, while studying)

Quality Code · Jan 2018 – Jan 2019

- Built an online platform for institutes — learning materials, exams and attendance, replacing paper — adopted by 17+ institutes in Bahrain. Promoted to leader of the ICT team.

Selected engineering work

Vox — Local Voice Runtime and MCP Server for AI Agents

A local-only voice runtime that gives Claude Code, Codex and any MCP client a shared microphone and speaker. Speech runs on the Mac through whisper.cpp and Kokoro, and the runtime refuses to start unless every speech endpoint is local. A persistent audio daemon with small reconnectable MCP adapters: turns from several agents queue in order, and cancel drains the queue cleanly.

Python · Model Context Protocol (MCP) · whisper.cpp · Kokoro · macOS audio

exidex.dev/vox · open source (MIT) · github.com/AlqattanDev/vox-mcp

Skills

AI Agent Tooling: MCP servers; Anthropic Messages API; Claude Code and Codex workflows; agent harnesses; local speech (whisper.cpp, Kokoro)

Cloud & Infrastructure: AWS (EC2, EKS, RDS / Aurora, Lambda, Systems Manager, DMS, S3, IAM, CloudWatch); Terraform; Docker; Linux

Languages: TypeScript / JavaScript, Python, Dart, Go, SQL, Bash

CI/CD & Delivery: Jenkins (production deploys), GitHub Actions; release management across dev, UAT, SIT and production

Backend & Frontend: Node.js, Python (FastAPI), REST APIs, PostgreSQL, SQLite; React, Vite; Flutter (NFTAlbum and client apps on the App Store and Google Play)

Education

Bachelor of ICT (Programming) · Bahrain Polytechnic

2014 – 2019 · Project of the Year award.