ALOK RAJASUKUMARAN
CTO | Technology Director | Enterprise Architecture
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Based in Dubai (visit visa). Available to join immediately.

PROFESSIONAL SUMMARY

Technology executive with 11.8 years in software, the last four as CTO and solutions architect. Turned a services business into an ERP and POS product company and led it through a 2026 acquisition. Led IT for a 5,000-staff GCC contractor and delivered for KPMG, Telstra and First American.

CAREER HIGHLIGHTS

- Led the digital transformation of Al Adrak, one of Oman's largest engineering contractors (5,000+ staff, four countries), and cut group IT spend by about $3.5M a year.
- Moved VAAS from services onto its own ERP and POS product, sold to over 30 enterprise clients, and ran the technical due diligence for its 2026 acquisition.
- Built engineering to 50 people and hired over 200 engineers in four years.
- Held EDR, carrying over $50M in annual client revenue, at over 99.95% uptime.
- Delivered for global enterprises: KPMG (an audit chatbot used by over 1,000 people), Telstra, Pickles and First American.

EXPERIENCE

CTO & Solutions Architect, VAAS Intelligent Technology Services

May 2022 - Oct 2026 | Kochi, India

Founding technology leadership on an equity stake. Technology strategy, enterprise architecture and delivery for over 100 client projects across healthcare, retail, banking and enterprise.

- Built the ERP and POS platform that moved the company off services, now with over 30 enterprise clients across the UAE and India.
- Ran the technical due diligence for the 2026 acquisition: architecture, IP and licence audit, security and key-person risk.
- Kept the core engineering team through the acquisition.
- Ran EDR on Prometheus, Grafana, Azure Monitor and ELK.
- Set the architecture standard that all 100+ projects were built against and clients certified on (HIPAA, ISO 27001, GDPR).
- Ran Scrum delivery out of five countries and cut release cadence from every 4 to 8 weeks to weekly on Jenkins, CircleCI and Azure DevOps.
- Owned the product unit P&L and the engineering budget across headcount, tooling and cloud, reporting monthly to the shareholders.
- Led the AI work: a test-and-fix framework that writes and runs its own Playwright suites, and a LangChain assistant for a healthcare client.

Information Technology Advisor, Al Adrak Trading & Contracting Co LLC

Jul 2024 - Mar 2025 | Muscat, Oman and Dubai, United Arab Emirates

Advisory engagement, alongside the VAAS and Cliniqally roles.

IT leadership for one of Oman's largest engineering contractors - 5,000+ staff, an order book over $300M - across roughly 50 subsidiaries in construction, hospitality, farming, crushing, manufacturing and F&B, operating in Oman, Saudi Arabia, the UAE and India.

- Owned group IT spend of $17M to $25M a year across roughly 50 subsidiaries and cut it by about $294K a month, roughly $3.5M a year (14% to 20%), through competitive multi-vendor bidding across all four regions.
- Held vendor negotiation and contract authority across the group and ran an IT function of over 25 people, reporting monthly to the ownership on spend, risk and transformation.
- Moved every process off paper onto systems built in-house across all 4 offices, with task and ticket monitoring behind them (AI note-taking, WRENCH SmartProject, Zoho low-code).

Co-Founder & CTO, Cliniqally Healthtech

May 2022 - Jul 2026 | Dubai, United Arab Emirates and Bangalore, India

Co-founded and led alongside the VAAS role.

Co-founded an AI healthtech startup and set its technology vision, architecture and roadmap across India and the UAE.

- Built the company from the first line of code to its 2026 acquisition: raised about $500K, carried the P&L, grew engineering to 30 including the architects on each surface, reported monthly to the investor board, and ran the exit's technical due diligence.
- Took doctor and patient apps live in over 10 clinics with tens of clinicians and hundreds of patients, lifting crash-free sessions from 10% to 90% and cutting defects to 5%, shipping weekly at over 80% test coverage on a platform built to HIPAA and Indian and UAE health-data rules.

Engineering Consultant (Training & Hiring), Confidential IT services company

Aug 2023 - Aug 2024 | Infopark, Kochi, Kerala, India

Part-time consulting engagement, alongside the VAAS role.

- Trained three batches of 22 graduate engineers in person across Java and Spring Boot, SQL, Angular, React and Python, and prepared them to clear client interviews.
- Ran the final technical interview round, at least 43 interviews a month, across AI and LLM, ML, Python, Django, React, Angular, DevOps and UI/UX, each with a coding challenge.

Consultant II - Data & AI, Neudesic

Mar 2020 - May 2022 | Infopark, Kochi, Kerala, India

Hands-on delivery engineering on enterprise programmes for Telstra, Pickles and First American, between running my own engineering functions.

- Delivered IoT platforms for Telstra, Australia's largest telecom, and owned the integration architecture behind them: an API layer in front, device telemetry through an event-driven backbone (Google Apigee, Azure Service Bus).
- Rebuilt ERP and internal systems for Pickles, Australia's largest auctioneer, and First American, a US title insurer, at over 80% automated test coverage, and ran AI/ML model R&D (SageMaker, Jenkins, Kubernetes).

Senior Software Engineer, Orion Business Innovation

Jan 2019 - Mar 2020 | Infopark, Kochi, Kerala, India

Enterprise chatbots and internal applications for KPMG, wired into their core systems.

- Architected the chatbot over KPMG's audit process, used by over 1,000 people across the group and built with Microsoft on Bot Framework, and cut load times about 30% by moving the audit application off AngularJS onto Angular 5 and 6.

Staff Engineer - AI / Chatbots, bitWise Academy

Sep 2017 - Jan 2019 | Coimbatore, Tamil Nadu, India

AI chatbot platforms, cloud migration and technical hiring.

Also serving: San Francisco, California, USA.

- Halved the hosting bill by migrating over 80 servers from AWS to Azure, led AI chatbot platforms for 5 clients plus 3 internal production bots, took over the ML and AI division when the engineering manager left, and hired the over 50 engineers who joined my teams.

AI Solutions Architect (Contract), Vinzent IT Solutions SDN BHD

Aug 2017 - Mar 2018 | Kuala Lumpur, Malaysia

Contract engagement for a Malaysian IT services company, alongside the bitWise role.

- Architected an AI platform for a confidential client, with an API layer built to connect around a million devices, plus 3 enterprise chatbots (Node.js, C#, Redis, RabbitMQ, Azure).

Lead Developer - Innovation Team, Astro-Vision FutureTech

Feb 2015 - Aug 2017 | Kochi, Kerala, India

Promoted twice in 31 months, from PHP Web Developer to Programmer to Lead Developer on the Innovation Team.

- Ran product incubation on the Innovation Team: found the technology, built the proof of concept, took it to customers, then handed each product to sales and operations against growth targets. Shaped the architecture on

Clickastro, still past 1M installs at 4.4 stars on Google Play.

SKILLS

Leadership: Technology Strategy, Engineering Leadership, Enterprise & Solution Architecture, Architecture Governance, Multi-Country Delivery, Budget & Vendor Management, Technical Hiring, Digital Transformation, RFP/RFI & Proposal Responses, Strategic Partnerships, IT Portfolio Management, Operating Model Design, Innovation Lab & PoCs, Fintech, Payment Integrations, Stakeholder Management

Architecture & Practice: Microservices, Event-Driven Architecture, Cloud Native, C4, UML, Well-Architected Framework, TDD, DDD, Scrum, Agile, SAFe, DevSecOps, Jira, Postman, IAM, Zero Trust

AI & Data: AI/LLM, Generative AI, RAG, LangChain, OpenAI, NLP, TensorFlow, Scikit-learn, SageMaker, PostgreSQL, MongoDB, Redis, MS SQL, Kafka, AI Agents, Azure OpenAI, Data Pipelines

AI Engineering & Open Source: MCP, AI-Assisted Delivery, Playwright Agents, eslint-plugin-typeorm-enterprise, craftkit, plainspoken, pagecheck, ats-resume

Cloud & Platform: Azure, AWS, Google Cloud, Kubernetes, Docker, Jenkins, Azure DevOps, CI/CD, Apigee, Prometheus, Grafana, ELK, Observability, SaaS, Infrastructure as Code, Node.js, NestJS, Angular, React, Flutter, Java, Python, TypeScript

OPEN SOURCE

eslint-plugin-typeorm-enterprise and craftkit on npm · 102 public repositories on GitHub - github.com/alokraj68 · 5,517 npm downloads across 5 published packages, to Sep 2026

SELECTED PROJECTS

Enterprise, AI & Product (2020 - 2026)

Piatto Pro (2024 - 2026) - Architect & Lead. The ERP and POS product the company pivoted onto and was acquired for, sold into over 30 enterprise clients across the UAE and India, some running over 50 branches; built with a team of 22. Tech: NestJS, Fastify, Express, TypeScript, Angular

AI test-and-fix framework (2024 - 2026) - Architect & Lead. Reads test cases, writes and runs Playwright suites against a web product, and fixes the bugs it finds. Java services with a Python AI module. Tech: Java, Python, Playwright, React, Vue

EDR POS (2023) - Architect & Lead. A POS for restaurants and cloud kitchens across over 55 outlets, underpinning over $50M in annual client revenue, with web and native apps, OpenAI and face recognition. Tech: NestJS, Fastify, Express, TypeScript, Angular

Online grocery - Saudi (2020) - Architect & Lead. A full online grocery store for a retail client in the Middle East, with native mobile apps either side of it. Tech: Angular, TypeScript, Laravel, PHP, Kotlin

Insurance platform - US (2021) - Full-Stack. Insurance products for First American, a US title insurer, using DDD, vertical slicing and some AI. Tech: .NET Core, React, MS SQL, AWS, Jenkins

IoT backend framework - Australia (2020) - Backend. The connected-device backend for Telstra, Australia's largest telecom, built as microservices on Azure. Tech: .NET, Node.js, Apigee, Azure Service Bus, CosmosDB

Sales & financial backend - Australia (2020) - Backend. The financial-data backend for Pickles, Australia's largest auctioneer, done TDD with SDKs shipped as npm packages. Tech: Node.js, MS SQL, MongoDB, Azure, SageMaker

Conversational AI & Chatbots (2016 - 2020)

Chatbot for KPMG (2019) - Architect. An assistant inside KPMG's auditing platform that answers FAQs and pulls up data. Tech: C#, .NET, Node.js, Bot Framework, AngularJS

Full career record, all 39 projects: alokraj68.in/full-cv

SPEAKING & RECOGNITION

TEDx speaker ("Why are we breathing", TEDxMBCET, February 9, 2019) · over 150 stages · over 2,000 students trained · volunteer trainer with WordCamp Kochi and the K-MUG and TCAT communities · featured in Malayala Manorama on AI/NLP and Android programming (2018).

LANGUAGES

English, Malayalam, Hindi, Tamil

EDUCATION

Bachelor of Computer Application (BCA), MEA and UAE MOFA attested

C.V. Raman University, Bilaspur, Chhattisgarh, India | 2015 - 2018