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Alok Rajasukumaran

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Summary

I am a polyglot engineer and architect who has spent a decade building across AI, mobile, cloud and full-stack web. Today I lead technology at VAAS Intelligent Technology Services and at Cliniqally Healthtech, where I have shipped 100+ products for clients across India, the Gulf, Australia, Europe and the US — no buzzwords, just results teams can count on. Along the way I gave a TEDx talk, spoke on 150+ stages, and trained more than 2000 students.

Experience

CTO & AI Architect · VAAS Intelligent Technology Services May 2022 — Present · Kochi, India · Dubai, UAE · Riyadh, Saudi Arabia · Muscat, Oman · Kuala Lumpur, Malaysia

Lead engineering and architecture across AI, full-stack SaaS and mobile — 100+ client projects delivered across diverse industries. Own tech strategy, team building, client engagement and delivery.

- Oversee delivery of 100+ client projects end to end — quality solutions on time.
- Own the technical architecture across AI, cloud and full-stack; keep the stack current.
- Build and mentor cross-functional teams; drive recruitment and onboarding.
- Lead client engagement, demos and solutioning; align delivery with business goals.

Co-Founder & CTO · Cliniqally Healthtech May 2022 — Present · Bangalore, Karnataka, India · Dubai, United Arab Emirates

Drive the technology vision for an AI-powered healthcare startup — architecture, development and code quality for scalable, secure products, plus team, vendor and cross-functional leadership.

- Spearhead the overall tech architecture — scalable, secure healthcare products.
- Lead development and code review to the highest quality standards.
- Manage and mentor the tech team and vendor relationships.
- Work with investors on fund allocation and long-term sustainability.

IT Advisor · Al Adrak Trading & Contracting Co LLC Jul 2024 — Mar 2025 · Muscat, Sultanate of Oman

Led digital transformation — architecting strategies, championing AI adoption, improving UX and processes, and conducting IT audits to maximise ROI.

- Architected and executed digital-transformation strategy across the business.
- Championed AI-driven solutions and emerging tech adoption.
- Designed UX improvements and end-to-end process enhancements.

- Conducted IT audits and optimised procurement for maximum ROI.

Consultant II — Data & AI · Neudesic Mar 2020 — May 2022 · Kochi, Kerala, India

Delivered across major enterprises — IoT systems for an Australian telecom, ERP and internal apps for an Australian auction group and a US financial services firm, plus internal AI models at Neudesic.

- Built IoT systems and research projects for a major Australian telecom.
- Optimised ERP and internal apps for an Australian auction group and a US financial-services firm.
- Developed and fine-tuned internal AI models; TDD, DDD and microservices on Azure pipelines.
- Maintained SonarCloud/ESLint standards and 80%+ test coverage across the codebase.

Senior Software Engineer · Orion Business Innovation Jan 2019 — Mar 2020 · Kochi, Kerala, India

Designed and built chatbot solutions and internal applications for a Big-4 firm, integrating with enterprise systems in an agile environment on Node, Angular, .NET and Azure.

- Designed and built sophisticated chatbots for a Big-4 firm's internal workflows.
- Developed and maintained critical internal apps integrated with enterprise systems.
- Collaborated with Big-4 teams to align delivery with business objectives.
- Worked agile with cross-functional teams; ran the IoT lab.

Staff Engineer — AI / Chatbots · bitWise Academy Sep 2017 — Jan 2019 · Coimbatore, Tamil Nadu, India · San Francisco, California, USA

Led a team building AI-powered chatbot platforms with ML and NLP, owned code quality and version management, and ran hiring for technical roles.

- Architected AI chatbot platforms spanning AIML, NLP, ontology, ML and deep learning.
- Managed ~80 Azure servers and interns from IITs; owned code quality and version control.
- Led recruitment for technical roles — sourcing, screening and onboarding.
- Built internal systems and messaging platform for the team.

Lead Developer → Programmer → PHP Developer · Astro-Vision FutureTech Feb 2015 — Aug 2017 · Kochi, Kerala, India

Grew from PHP developer to leading the Innovation Team — building chatbots, voice skills, cross-platform mobile apps and high-traffic e-commerce (1.5 lakh visitors/day).

- Identified and implemented emerging tech across teams as Innovation Team lead.
- Architected 3 client chatbots plus Alexa/Google voice skills and cross-platform apps.
- Ran high-traffic e-commerce (1.5 lakh visitors/day, 70+ services) with A/B testing and SEO.
- Shipped iOS/Android apps with 1 lakh+ installs.

Projects (34)

AI, SaaS & Product — VAAS era · 2020 — Present

Devakived HR Platform (2024) · [Senior Architect & Lead Dev](#) — End-to-end HRM platform covering the full employee lifecycle, recruitment to retirement. *NestJS, Angular 17, TypeScript, Jenkins*

EDR POS (2023) · [Senior Architect & Lead Dev](#) — Multi-restaurant / cloud-kitchen POS at million-user scale — web + native apps, OpenAI, face recognition, FAQ chatbots. *NestJS, Angular, Flutter, OpenAI*

Omni (2023) · [Senior Frontend Dev](#) — Process & document-automation system for a European client. *React, Vite, TypeScript*

Cliniqally — Doctor App (2022) · [Senior Architect & Lead Dev](#) — Healthcare app for clinicians: appointment scheduling, patient records, prescriptions, billing and communication tools. *NestJS, Flutter, Angular, OpenAI*

Cliniqally — Patient App (2022) · [Senior Backend Dev](#) — Patient-facing app: appointment booking, medical records, prescription management and secure messaging with providers. *NestJS, Flutter, Angular, OpenAI*

Eat & Drink (2021) · [Principal Full-Stack Dev](#) — Food-delivery platform connecting users, restaurants and delivery partners. *Node.js, React Native, Flutter, PostgreSQL*

Thazhayil Loan App (2022) · [Senior Angular Dev](#) — Banking/loan origination system with nine secured login roles. *Angular, TypeScript, Java*

OH Yes — Home Solutions & Partner (2021) · [Senior Architect & Lead Dev](#) — On-demand home-services marketplace with a matching partner app. *Angular, Node.js, Laravel, React*

ConnectingVows (2022) · [Senior Architect & Dev](#) — Matrimonial matchmaking platform focused on UX and engagement. *Angular, Node.js, MongoDB*

PatchPets (2020) · [Senior Dev](#) — A social network built entirely for dogs — feed, messaging and profiles. *Angular, React Native, Node.js, PostgreSQL*

Online grocery — Saudi (2020) · [Senior Architect & Lead Dev](#) — Comprehensive online grocery store for a Middle-East retail client. *Angular, Laravel, TypeScript*

Energy 24/7 (2021) · [Senior Angular Dev](#) — Product & solutions platform for an energy-storage innovation lab. *Angular, TypeScript*

Appum (2020) · [Senior Architect & Angular Dev](#) — Business-management app for SMBs to run operations from anywhere. *Angular, Laravel, MySQL*

Inventory Portal (2021) · [Senior Architect & Angular Dev](#) — Inventory management with AI-based document analysis. *Angular, Laravel, AI OCR*

Budmore (2023) · [Senior Architect & Lead Dev](#) — IoT pond-management system — devices maintain temperature/pH; admin panel for farms, devices, users, roles and permissions. *Angular, TypeScript, Bootstrap*

Energensol (2021) · [Senior Architect & Dev](#) — Asset-management and supply-chain platform for an operations firm with two decades of expertise. *Angular, TypeScript, Bootstrap*

Local Shoppy (2020) · [Senior Architect & Angular Dev](#) — Business-management app letting SMBs run operations from anywhere. *Angular, Laravel, PHP, MySQL*

Insurance platform — US (2021) · [Senior Full-Stack Dev](#) — Products for a leading US insurance provider; DDD, vertical slicing, AI integrations. *.NET Core, React, MS SQL, AWS*

IoT backend framework — Australia (2020) · [Senior Backend Dev](#) — Connected-device IoT backend for a major Australian telecom; microservices via Azure pipelines. *.NET, Node.js, CosmosDB, Azure*

Sales & financial backend — Australia (2020) · [Senior Backend Dev](#) — Financial-data backend for Australia's largest auctioneer; TDD, SDK npm packages. *Node.js, MS SQL, MongoDB, Azure*

Conversational AI & Chatbots · 2016 — 2020

Chatbot for a Big-4 auditing firm (2019) · [Senior Architect & Dev](#) — Internal auditing-platform assistant answering FAQs and surfacing data. *C#, Angular, Azure, LUIS*

Multi-tenant chatbot platform (2017) · [Senior Dev & Team Lead](#) — Self-serve platform to build TUI/VUI bots from skills, APIs and FAQs across all major channels. *Node.js, TensorFlow, OWL, Rasa*

Chatbot for an FMCG brand (2017) · [Senior Dev](#) — Product-FAQ bot driving customer interaction and leads via web + Facebook. *C#, Xamarin, Cassandra, LUIS*

Google & Alexa astrology skills (2017) · [Senior Dev](#) — Voice skills delivering Vedic-astrology predictions with minimal input. *Node.js, AWS Lambda, Dialogflow, Cassandra*

Vedic astrology chatbot (2016) · [Senior Dev](#) — Daily proactive-messaging bot with a 25k daily user base. *C#, Ionic, Cassandra, wit.ai*

ERP chatbot (2018) · [Senior Dev](#) — Chatbot for ERP software integrated with web portals, mobile apps and Facebook pages, with predictive proactive messaging. *C#, Xamarin, Cassandra, LUIS*

LMS chatbot & CMS platform (2018) · [Senior Web Dev / Architect](#) — Chatbot + WordPress CMS API endpoints for an LMS, with load-balanced servers and daily backups. *PHP, WordPress, MySQL*

Mobile & Web foundations · 2015 — 2017

Biorhythm apps — iOS & Android (2016) · [Senior Mobile Dev](#) — Lead-generation apps with 1 lakh+ installs. *Objective-C, Java, Realm*

Xamarin astrology app (2016) · [Senior C# Dev](#) — Cross-platform personal astrology predictions; Java → C# logic port. *C#, XAML, Xamarin*

Astrology e-commerce portal (2015) · [Senior PHP Dev](#) — 1.5 lakh visitors/day, 70+ services; growth-hacking and SEO. *PHP, jQuery, MySQL*

Internal CRM & landing platform (2015) · [PHP Dev](#) — CRM for sales/service teams plus high-volume ad landing pages. *PHP, JavaScript, MySQL*

Daily Info Android app (2018) · [Senior Android Dev](#) — Material-design information app with continuous security/feature updates and analytics. *Kotlin, SQLite, Realm*

Ionic data-collection app (2016) · [Senior Ionic Dev](#) — Cross-platform internal data-collection app with analytics and staged bug-fix notifications. *Ionic, TypeScript, Node.js, SQLite*

Windows Phone / Windows 8 apps (2014) · [App Developer](#) — 14 B2C apps for the Windows ecosystem, full-stack. *C#, XAML, Xamarin*

Skills

Languages: TypeScript, JavaScript, Python, C#, Java, Kotlin, Swift, Dart, PHP, Node.js

AI & Conversational: LangChain, OpenAI, TensorFlow, Scikit-learn, Rasa, Dialogflow, LUIS, Bot Framework, Alexa, Google Assistant, IBM Watson, SageMaker

Web & Frameworks: Angular, NestJS, React, Next.js, Vue, Nuxt, Express, Laravel, Astro

Mobile: Flutter, React Native, Android, iOS, Ionic, Xamarin, Cordova

Cloud & DevOps: Azure, AWS, Google Cloud, Jenkins, Docker, CI/CD, Azure DevOps

Data: PostgreSQL, MongoDB, MS SQL, MySQL, Redis, Cassandra, YugabyteDB, CosmosDB

Speaking & Recognition

- TEDx speaker — "Why are we breathing", TEDxMBCET, February 9, 2019 (theme "Observably Random").
- 150+ stages spoken on; 2000+ students trained; hundreds of developers mentored.
- Featured in Malayala Manorama on AI/NLP (2018) and Android programming (2018).

Selected stages

2024 — K-MUG TechDay · Building your first web app with SvelteKit

2024 — De Paul Institute of Science & Technology · Guest session

2020 — Lockdown Tech-Talks · Blazor: A Single-Page Adventure of Microsoft

2019 — Kochi Tech Summit · Conversational Automation for Business Growth · Kerala Startup Mission

2019 — Heera College of Engineering · Tech session, Nedumangad

2019 — Jyothi Engineering College · K-MUG Academia

2019 — MEA Engineering College · Developer session, Perinthalmanna

2019 — TKM College, Kollam · UI/UX for Android — 2-day workshop

2019 — MES Kuttipuram · Developer boot camp

2019 — TEDxMBCET · "Why are we breathing?"

2019 — Augmenta · Speaker session

2018 — Mar Baselios · Talk on simulated reality

2018 — TKM College of Engineering · "Android Programming" — MCA expert talk

2018 — K-MUG · Implementing Bots in Real-Life Projects

2018 — MES College of Engineering · Inspiria'18 — Mobile UI/UX Design workshop

2018 — Heera College — Fab Lab · Student interaction, Nedumangad

2018 — K-MUG TechDay, Trivandrum · B-HUB

2018 — K-MUG TechDay · "Get ready for Ionic 4!" — Orion Innovation, Kochi

2018 — GEC Sreekrishnapuram, Palakkad · K-MUG Academia — Bots, NLP & LUIS (4 sessions)

2017 — K-MUG TechDay · Chatbots session, Lulu Cyber Park, Kochi

2017 — MOBConf Tech Talks S1E11 · KSUM Technopark, Trivandrum

2019 — WordCamp Kochi · Registration Wrangler (2019) · community participant (2017)

Open Source

eslint-plugin-typeorm-enterprise — Enterprise ESLint rules for TypeORM / NestJS backends — blocks raw SQL and enforces backend governance. *npm · TypeScript*
express-typescript-example — Node.js + TypeScript REST API starter. *TypeScript*
package.json-dependency-reader — Exports your package.json dependencies to an Excel sheet. *JavaScript*
QuartzBot — Quartz.NET scheduler bot on the Microsoft Bot Framework. *C#*
100+ repositories on GitHub — github.com/alokraj68

Education

Bachelor of Computer Application (BCA)

C.V. Raman University · 2015 — 2018

B.E, Computer Science & Engineering — coursework

Maharaja Engineering College (Anna University) · 2010 — 2014

Certifications

- IBM Enterprise Design Thinking Practitioner
- Data Science Foundations: Data Mining
- Data Science & Analytics Career Paths: First Steps
- Automate a business process using Microsoft Flow
- Statistics Foundations: 1
- Security in the Enterprise — Microsoft Virtual Academy
- Data Structures & Algorithms — IIT Madras

Built with **Astro** · **Tailwind** · **GSAP** — crafted with ♥ & ☕ in Kochi.

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