

# AL Ameen KH

## Tech Lead | Full Stack Architect

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### PROFESSIONAL SUMMARY

Highly accomplished **Technical Leader & Full Stack Architect** with **10+ years** of success in architecting and scaling distributed, fault-tolerant backend systems (SaaS, eCommerce, AI) for **100,000+ concurrent users**. Expert in the **Node.js/TypeScript** ecosystem, specializing in event-driven **Microservices** and leveraging **AWS Serverless/Containerization** (EKS, Lambda) for high-availability cloud-native applications. Proven ability to **lead and mentor remote/cross-functional teams**, drive technical vision, and enforce security and DevOps best practices, validated by the **AWS Solution Architect - Professional** certification.

### KEY HIGHLIGHTS

**AWS Solution Architect - Professional** (Issued August 2024)

**10+ Years** of Backend Architecture & Scaling Experience

**Core Stack:** Node.js, TypeScript, React, AWS, Kubernetes, Terraform

### TECHNICAL SKILLS

**Programming Languages:** Node.js, TypeScript, Golang, Java, SQL | **Frameworks:** NestJS, React, GraphQL, Express.js, gRPC | **Frontend:** React, AngularJS, Vue.js, HTML5, CSS3 | **Backend:** Node.js, Golang, NestJS | **Security & Authentication:** OAuth2.0, Keycloak, JWT, SSO, Role-Based Access Control (RBAC), WAF, HTTPS/TLS | **Tools:** Jest, Mocha, Chai, Supertest, Postman, Cypress | **Databases:** PostgreSQL, MySQL, MariaDB, MongoDB, Redis, Firebase Realtime DB, Firestore | **Cloud & DevOps:** AWS (Lambda, EC2, S3, CloudWatch, ECS, EKS), GCP (Cloud Functions, Pub/Sub), Azure, Docker, Kubernetes, Terraform, Helm | **CI/CD:** GitHub Actions, GitLab CI/CD, Jenkins | **Methodologies:** Agile, Scrum, TDD, BDD | **Messaging & Event-Driven Systems:** Kafka, RabbitMQ, SQS, MQTT, Zookeeper | **Architecture:** Microservices, Monorepo, API Gateway, Service Mesh, Event-Driven Architecture, Serverless, Clean Architecture | **Others:** Leadership, Team Management, System Design, Technical Writing, Scalability, Observability

### PROFESSIONAL EXPERIENCE (10+ Years)

**Tech Lead** | *Jun 2024 - Present*

**Dealbuddy** | *Remote*

- Architected and deployed backend supporting **100K+ concurrent users**, leveraging **AWS ECS, RDS, Redis**, and **Terraform** for infrastructure as code.
- Built secure modular microservices architecture with **WAF, OAuth2, RBAC**, and **API Gateway**.
- Led full-cycle development of mobile apps (App Store & Play Store) and CI/CD pipelines.
- Tech stack: Node.js, NestJS, PostgreSQL, Redis, Docker, AWS, Terraform, Firebase, Kafka, Service mesh, React

**Tech Lead** | *May 2023 - Jun 2024*

**Deltasoft Consulting Pvt Ltd.** | *Remote*

- Spearheaded the development of **WebRavo**, a highly modular CMS platform using **microservices** and **clean architecture**.
- Integrated secure **Keycloak-based RBAC**, custom template editor, and CI pipelines.
- Developed a public NestJS boilerplate enforcing backend best practices.
- Tech Stack: NestJS, GCP, Bitbucket Pipelines, PostgreSQL, Keycloak, React

**Senior Software Engineer Team Lead** | *Apr 2022 - Jun 2023*

**Copado** | *Remote*

- Delivered scalable billing systems via **NestJS, Kubernetes, Service Mesh**, and microservice architecture.
- Enhanced MQTT-based real-time robotics communications.
- Worked on **multi-region deployments** and **gRPC integrations**.

**Tech Lead** | *Dec 2020 - Apr 2022*

**Naico ITS** | *Remote*

- Built Uber-like delivery platform with **real-time GPS & vehicle tracking**, powered by **IoT and Node.js**
- Architected investor-focused social media app with robust backend logic and high concurrency.

## Senior Full Stack Developer | Feb 2019 - Dec 2020

### Charmboard | Bengaluru

- DBuilt CB Plugin V2 for Zee5 OTT using **Node.js**, **Redis**, and **Kaltura** integration.
- Applied **MVC and modular service architecture** to improve code maintainability.

## Full Stack Web Developer | Jan 2018 - Jan 2019

### AssetTrackr Pvt Ltd (ZF WABCO Subsidiary) | Bengaluru

- Created IoT dashboards integrating **tyre, fuel, and GPS** sensors with **MQTT** and **Modbus**.
- Real-time visualization with **AngularJS**, **Node.js**, **AWS**.

## Software Engineer | Jul 2017 - Jan 2018

### FreshToHome | Bengaluru

- Automated inventory and procurement workflows using **Vue.js**, **Node.js**, and **AWS Lambda**.

## Junior Software Engineer | Jun 2015 - Jul 2017

### Global Allies Technologies | Kochi

- Built restaurant order systems using **PHP**, **Node.js**, and **MySQL**, improving order processing speed.

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## PROJECTS

### Deal Buddy (Jun 2024 – Present)

- Designed and deployed secure architecture with **Terraform**, **WAF**, and **microservices**.
- Scaled platform for 100K+ users, deployed on **AWS** with automated CI/CD.

### WebRavo – Deltasoft Consulting (May 2023 – Jun 2024)

- Created CMS with **RBAC** using **Keycloak**, integrated version-controlled editor for template management.

### Revenure – Personal AI Project (Dec 2023 – Jul 2024)

- AI-powered finance automation tool for procurement and account reconciliation.
- Deployed at **Eastern Foods**, improving processing accuracy and operational speed.

### Anit-a-Haul – Naico ITS (Oct 2021– apr 2022)

- Built Real-time logistics tracking solution using **NestJS**, **Firebase**, and **MongoDB**.

### ImpartHealthMedia – Naico ITS (Jan 2021 – sep 2021)

- Developed GraphQL microservices and admin dashboard using **Golang**, **React**, and **Terraform**.

### CB plugin v2 | Charmboard | Feb 2019 - Dec 2020

- Designed and developed **CB Plugin V2** from scratch to enhance video playback experience and integrations within the **Kaltura Player** used by **Zee5 OTT** platform.

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## EDUCATION

### B.Tech in Computer Science | May 2015

NIT Calicut | Calicut, Kerala

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## CERTIFICATIONS

**AWS Solution Architect - Professional - Issued August 2024**