

# Afaq Javed

afaq@afaqjaved.com | +92-3322615528 | linkedin.com/in/afaqjaved | github.com/afaqjaved | Karachi, Pakistan  
afaqjaved.com

## PROFESSIONAL SUMMARY

---

Full Stack Engineer and Technical Lead with 7+ years of turning ideas into production-grade systems. Experienced in building and leading engineering teams, architecting cloud and IoT platforms, and delivering across 3+ industries. Active open-source contributor and technical educator on GitHub and YouTube.

## CORE COMPETENCIES

---

**Languages & Frontend** TypeScript, JavaScript, Java, Python, C/C++, React, Next.js, Angular, Tailwind CSS

**Backend & Databases** NestJS, Express.js, Spring Boot, PostgreSQL, MongoDB, DynamoDB, Redis, BullMQ

**Cloud & DevOps** AWS (Lambda, EC2, S3, API Gateway), Docker, Kubernetes, GitHub Actions, Jenkins, Hetzner

**Architecture & Security** Microservices, Event-Driven, DDD, Serverless, OAuth 2.0, OIDC, JWT, RBAC

**IoT & Embedded** ESP32, MQTT, BLE, LoRaWAN, Firmware Development, Arduino

**Leadership & Process** Team Leadership, Sprint Planning, Code Review, Technical Mentoring, Architecture Review

## PROFESSIONAL EXPERIENCE

---

**Developer Relations Engineer** Nov 2025 – Present  
*dotCMS Remote*

- Serving as a technical bridge between dotCMS and the developer community, driving platform adoption and engagement.
- Producing technical tutorials and videos published on dotCMS's official YouTube channel, covering integrations, headless CMS concepts, and developer workflows.
- Collaborating with product and engineering teams to surface developer feedback and improve platform experience.
- Representing dotCMS at developer events, online forums, and community channels.

**Technical Lead** Feb 2024 – Nov 2025  
*SeamlessIdeas Remote, United Kingdom*

- Built **SeamlessSlot** from scratch — a dental appointment scheduling SaaS (NestJS, PostgreSQL, Prisma, React, NX monorepo) now live across ~20 dental businesses.
- Led **MuseumFutures** — an eLearning platform built from zero for a Saudi Arabian client, owning architecture, team coordination, and full delivery.
- Set up a self-hosted internal cloud using Hetzner auction servers, replacing cloud spend with open-source tooling and cutting infrastructure costs significantly.
- Led full product lifecycle: Agile/Scrum, Jira-based sprint planning, versioned releases, and code reviews across a team of ~5 engineers.
- Architected OAuth 2.0 integrations with 5+ third-party platforms and payment providers.

**Senior Full Stack & Embedded Engineer** Dec 2021 – Aug 2023  
*Binary Bitz Remote*

- Delivered IoT platform integrating MQTT and ESP32 devices, used by ~200+ active devices per location in the field.

- Built **STEM Education Robot** — custom ESP32-based robotics platform with BLE, MQTT, and OTA updates; Node.js backend with InfluxDB for real-time telemetry storage and monitoring; used by ~300 students across 10 schools.
- Contributed to sprints and project management as part of a distributed remote engineering team.

## Software Engineer

Aug 2019 – Nov 2021

*Conure IT Services*

*Karachi, Pakistan*

- Contributed to **ParkSmart** — developed backend REST endpoints using Java Spring Boot, PostgreSQL for business data, and MongoDB for real-time sensor data; deployed on in-house servers.
- Reduced API response time by ~50% through query optimization and caching strategies.
- Optimized the solution to support 500+ sensors collecting and storing data.

## SELECTED PROJECTS

---

### **SeamlessSlot** | *Dental Appointment Scheduling SaaS*

- Built from scratch using NestJS, PostgreSQL, Prisma, React, and NX monorepo; live across ~20 dental businesses.
- Integrated Stripe and Square payments, automated notifications, calendar sync, and multi-location support.

### **MuseumFutures** | *eLearning Platform, Saudi Arabia*

- Led end-to-end development of a full-featured eLearning platform built from scratch for a Saudi Arabian client.
- Owned architecture design, team coordination, sprint delivery, and full product lifecycle.

### **STEM Education Robot** | *IoT / Embedded Systems*

- Built ESP32-based robotics platform with BLE, MQTT, AWS IoT Core, and OTA updates; used by ~300 students.
- Node.js backend with InfluxDB for real-time telemetry; companion web and mobile apps for device management.

### **ParkSmart** | *Smart Parking Platform*

- LoRaWAN-powered solution managing ~500 parking slots in real time.
- Built REST endpoints in Java Spring Boot; PostgreSQL for business data, MongoDB for real-time sensor streams; deployed on in-house servers.

## OPEN SOURCE

---

### **PikSlots** | *Open Source Booking Platform*

- Founded and actively developing PikSlots — an open-source appointment booking platform for developers and businesses.
- Currently in active development; designed with extensibility in mind, enabling custom scheduling workflows and integrations.

### **Directus** | *Open Source Contributions*

- Active contributor to Directus, an open-source headless CMS and data platform.
- Merged PR #25125 — contributed bug fix/feature improvement to the core platform.

## COMMUNITY & CONTENT

---

- YouTube channel with ~3,000 subscribers covering TypeScript, NestJS, System Design, and CMS.
- Published 100+ tutorials with ~500K total views across YouTube and written platforms.

## EDUCATION

---

### **FAST National University of Computer and Emerging Sciences**

Karachi, Pakistan

*Bachelor of Science in Computer Science*

*2015 – 2019*