

# Zohaib Ahmed

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**Summary** — Backend-focused Software Engineer with hands-on experience in AI integrations, scalable API design, and cloud-based systems development using Nest js, Express, and FastApi

## Skills

**Languages** Java, JavaScript, TypeScript, Dart  
**Frameworks** Nest js , Express.js, React js, FastApi , Flutter  
**Databases** Cassandra, DynamoDB, PostgreSQL, MongoDB  
**AI/ML Tools** OpenAI API , Vector Databases, RAG, OpenCV  
**Cloud** AWS (EC2, S3, Lambda, RDS), Docker, CI/CD  
**Billing** Paddle, OpenMeter, Stripe  
**Security** REST, JWT, Passport, Bcrypt, Helmet  
**Tools** Git, GitHub, Swagger, Postman, ClickUp

## Languages

- English — Professional Working Proficiency
- Urdu — Native

## Experience

### ITShifts Technologies

Feb 2026 – Present

#### Node.js Developer

- Developed and maintained scalable backend systems for production-grade applications using Node.js and modern architectures.
- Implemented secure and reliable payment processing using **Stripe**, including subscription handling and transaction workflows.
- Built intelligent job assignment systems similar to ride-hailing platforms, automatically dispatching service requests to nearby workers.
- Integrated **Google Maps APIs** for real-time location tracking, route optimization, and geolocation-based services.
- Implemented real-time communication and push notifications using **Firebase Cloud Messaging (FCM)**.
- Designed and optimized REST APIs with strong focus on performance, scalability, and security best practices.

### AZ Solutions

Aug 2024 – Nov 2025

#### Backend Developer

- Designed, developed, and optimized scalable backend systems and server-side applications for multiple production projects.
- Built robust REST APIs, implemented business logic, and managed databases with a strong focus on performance, security, and data integrity.

### DocuQuik (Contract)

May 2024 – Dec 2024

#### Backend Engineer

- Developed clean-architecture-based backend APIs for an AI-powered documentation platform enabling users to chat with and summarize technical documentation.
- Implemented **RAG (Retrieval-Augmented Generation)** pipelines and integrated **vector databases** for semantic search and contextual AI responses.
- Integrated **OpenMeter** and **Paddle** for usage tracking, metering, and billing.

## Education

### Mehran University of Engineering and Technology (MUET), Jamshoro

2021 – 2025

#### Bachelor of Software Engineering

CGPA: 3.18 / 4.0

- Focus Areas: Software Architecture, Cloud Computing, Artificial Intelligence, and Secure Backend Systems.

## Projects

### TableToChat

Nov 2025 – Present

- SaaS platform enabling users to upload Excel/CSV files and query tabular data using natural language for instant insights.
- Technologies: **Express.js, React, Elasticsearch, LLMs, MongoDB, Google Cloud Storage.**

### Inforato

Mar 2025 – Present

- AI-powered e-commerce platform featuring virtual try-on functionality and intelligent product recommendations.
- Technologies: **NestJS, React, Flutter, KlingAI, FastAPI, AWS.**

### Ascenders Online

Dec 2024 – Present

- Mobile application for university entrance test preparation with structured quizzes and performance tracking.
- Technologies: **Flutter, Express.js, PostgreSQL, AWS, React, FastAPI.**