

# WAGHIB AHMAD

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## PROFESSIONAL SUMMARY

Backend Developer with expertise in Node.js, Express.js, FastAPI, and PostgreSQL, focused on designing robust, scalable APIs and distributed microservices. Experienced in deploying cloud-native applications using Docker, Kubernetes, Azure, and AWS. Proven ability to deliver high-performance backend systems with CI/CD pipelines and infrastructure-as-code. Passionate about integrating AI and automation to boost reliability and efficiency.

## EDUCATION

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

Sep. 2021 – June 2025

*Bachelor of Science in Computer Science*

*Pakistan*

## EXPERIENCE

**LAB23 Technologies**

July 2025 – Present

*Backend Developer*

*Lahore, Pakistan*

- Built production-grade APIs with FastAPI for an AI-powered meal planning platform, Cookbook.
- Integrated Stripe for secure subscription payments with webhook-based status tracking.
- Implemented GenAI-powered recipe recommendations using OpenAI and Claude APIs.
- Used MongoDB Atlas, Celery with Redis, and Docker for scalable, async-first architecture.

## PROJECTS

**QuickAid** | Node.js, Express.js, PostgreSQL, React, Firebase, Google Maps, Sequelize

Oct. 2024 – May 2025

- Engineered a RESTful API backend for emergency reporting and real-time volunteer dispatch.
- Designed relational schema in PostgreSQL for fast lookups and transactional consistency.
- Implemented Firebase Authentication to secure user access and reduce incident handling time by 30%.

**PlannerAI** | Node.js, FastAPI, Whisper, Gemini, PostgreSQL, SQLAlchemy

Jan. 2024 – Feb. 2024

- Built a Chrome extension that transforms speech to calendar tasks using Whisper and Gemini AI.
- Architected hybrid backend: FastAPI (speech-to-task) and Node.js (chat workflows).
- Integrated Google Calendar API with smart NLP-based parsing and real-time task syncing.

**MernStore** | Node.js, React.js, CI/CD, Terraform, Docker, Kubernetes, MongoDB

Nov. 2024 – Dec. 2024

- Developed full-stack e-commerce app with authentication, product listings, and cart management.
- Deployed scalable infrastructure on AWS using Docker and Terraform.
- Enabled seamless DevOps with CI/CD pipeline and Kubernetes orchestration.

**MERN Authentication System** | Node.js, Express.js, React.js, MongoDB, JWT, OAuth

May 2025

- Implemented JWT-based auth system with OAuth, bcrypt hashing, and HTTP-only cookies.
- Added OTP-based verification and password reset via Nodemailer for enhanced security.
- Built React frontend with real-time validation and persistent user sessions.

## AWARDS & HONORS

**AKU-EB Merit Scholarship** (2017-2021) – Awarded a merit-based scholarship for achieving over 70% marks in Matriculation and Intermediate.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, SQL

**Backend:** Node.js, Express.js, FastAPI, REST APIs, MVC Architecture

**Frontend/Mobile:** React.js, React Native, Firebase

**Cloud & DevOps:** Docker, Kubernetes, Terraform, AWS, Azure, GCP, CI/CD (GitHub Actions)

**Databases:** PostgreSQL, MongoDB, MySQL, Firebase Firestore

**Generative AI:** LLMs, Transformers, Whisper, RAG, Fine-Tuning

**Tools:** Git, GitHub, VS Code, Cursor, Windsurf, Postman, Linux CLI