

FAIZAN SALEH

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Summary

Backend Developer with 2+ Years of hands-on experience building scalable RESTful APIs using Node.js and FastAPI. Proven track record of delivering production-ready applications including voice agent systems, SaaS platforms, and e-commerce solutions. Proficient in both SQL and NoSQL databases, cloud deployments (AWS, Azure, GCP), and modern development workflows with Docker. Strong foundation in API design, testing, and optimization with experience in agile methodologies.

Work Experience

Backend Developer

June 2025 - Present

WeSolv'd, Johar Town, Lahore

- Architected and deployed RESTful APIs using Express.js and FastAPI for production applications serving multiple clients
- Developed Shopify inventory analytics SaaS platform (benefab.duckdns.org/docs) with real-time data processing and automated reorder suggestions
- Built voice agent API systems (admin.employai.online/docs) handling concurrent requests with optimized response times
- Reduced client operational costs by 70% (\$18K to \$12K annually) through efficient full-stack development and deployment
- Currently implementing AI-powered RAG-based chatbot with transformer models and vector databases

Research Assistant

June 2025 - Present

FAST-NUCES, Lahore

- Conducted research on scalable backend architectures and RESTful API design patterns under faculty supervision
- Developed and tested 100+ API endpoints using FASTAPI for research projects, with comprehensive documentation
- Managed research databases with 1,000+ records, implementing data integrity checks and query optimization techniques
- Contributed to ongoing research initiatives in database systems and software engineering methodologies for the faculty

Key Projects & Deployments

E-commerce Backend API | breevias.duckdns.org/docs

- Full-featured REST API supporting admin and customer frontends with authentication, product management, order processing, and payment integration. Built with FastAPI and deployed with Docker.

Voice Agent Personal Assistant | fastapi123.duckdns.org/docs

- Real-time voice processing API with WebSocket support for low-latency communication, speech-to-text integration, and context management using FastAPI.

Education

Bachelor of Software Engineering

2022 - 2026

FAST-NUCES, Lahore

CGPA: 3.00/4.00 - 7th Semester

- **Relevant Coursework:** Data Structures & Algorithms, Database Systems, Operating Systems, Software Engineering, AI

Technical Skills

Backend Technologies: Node.js, Express.js, FastAPI, Python, RESTful API Design, WebSocket, Microservices Architecture

Databases: MySQL, PostgreSQL (SQL), MongoDB, SQLite (NoSQL), Vector Databases, Database Optimization

Cloud & DevOps: AWS, Azure, GCP, Docker, Kubernetes (conceptual), CI/CD, Cloud Deployment

API & Testing Tools: Postman, Thunder Client, Apache JMeter, JUnit, Swagger/OpenAPI

Development Tools: Git, GitHub, Socket Programming, Multi-Threading, Agile/Scrum, API Documentation

Additional Skills: React, JavaScript, Java, C++, Pandas, AI/ML Integration, Data Processing, Performance Optimization