

AHMED SALMAN

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SUMMARY

Mid-Senior Backend Software Engineer with strong experience building scalable distributed systems and microservices architectures. Specialized in Node.js, TypeScript, and cloud platforms with deep expertise in API design, database optimization, performance tuning, and event-driven systems. Passionate about designing reliable backend infrastructures that support high-traffic, production-scale applications.

EXPERIENCE

V For Technology

Mid-Senior Software Engineer

Dammam, KSA
May 2025–Present

- Led development of catalog service for multi-tenant SaaS e-commerce platform serving 500+ merchants
- Architected 8 scalable microservices using Nest.js, NX monorepo, and gRPC for product catalog and inventory management
- Implemented Redis caching and Elasticsearch optimization, improving search performance by 40%
- Reduced API response time from 800ms to 200ms through database query optimization and load balancing

Zetaton

Backend Developer

Milwaukee, US (Remote)
Apr 2024–May 2025

- Built scalable booking system handling 10k+ daily reservations with automated payment processing
- Designed event-driven architecture using Firebase, GCP Pub/Sub, and Stripe API integration
- Implemented real-time order management with automated workflows and error handling
- Achieved 99.9% payment success rate and reduced booking processing time by 60%

CustEx

Backend Developer

Remote
Jun 2023–Feb 2024

- Optimized video transcoding pipeline for platform serving 1M+ daily active users
- Redesigned load balancing algorithm and implemented comprehensive testing strategy with Jest
- Achieved 85% code coverage through unit and integration testing implementation
- Increased video processing throughput by 40% and reduced production bugs by 70%

TECHNICAL SKILLS

Programming:	JavaScript, TypeScript, Python, C++, SQL
Backend:	Node.js, Express.js, Nest.js, Fastify, REST APIs, gRPC, Microservices, Event-Driven Architecture
Database:	PostgreSQL, MongoDB, Redis, Elasticsearch
Cloud & DevOps:	AWS (EC2, S3, Lambda), Google Cloud Platform, Docker, Kubernetes
Tools:	Git, Jenkins, GitHub Actions, Jest, Mocha, Swagger, Nx Monorepo

PROJECTS

- **Panda KSA:** Architected a scalable e-commerce marketplace backend with Elasticsearch-driven search, Stripe-secured payments, and support for 100+ stores.
- **Harmony:** Engineered backend services for a cloud-based housekeeping management system using Firebase, reducing scheduling conflicts by 30%.
- **Women First Ride-Hailing:** Built real-time backend tracking system using WebSockets and Mapbox APIs, decreasing ETA mismatches by 25%.
- **Loyalty Management Service:** Developed a microservices-based backend on Google Cloud, enhancing user engagement by 35% with 100k+ daily requests.

EDUCATION

Bachelor of Science in Computer Science & AI, Benha University

2019–2023

GPA: 3.4/4.0 — Graduation Project: A+

Relevant Coursework: Data Structures & Algorithms, System Design, Distributed Systems, Cloud Computing