

Mohamed Saeed Bin Omar

Backend Engineer

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Core stack: TypeScript, C#, NestJS, ASP.NET Core, PostgreSQL, SQL Server
Languages: Arabic (native), English (professional)
Work authorization: Saudi Iqama (profession: Software Engineer), transferable

SUMMARY

Backend engineer with two years of production experience across two stacks: TypeScript/NestJS with PostgreSQL, and C#/ASP.NET with SQL Server. Most of my work has been payment integrations, background job processing and database performance, plus API design, testing and CI/CD. I currently handle code review and technical coordination for the backend team at Clean Life Company in Riyadh.

SKILLS

Languages	TypeScript, JavaScript, C#, Python, SQL
Backend	NestJS, Node.js, Express.js, ASP.NET Web API, FastAPI, REST API design
Databases & ORM	PostgreSQL, SQL Server, MongoDB, Redis, TypeORM, Prisma
Async & Messaging	BullMQ, Redis-backed queues, distributed locking, scheduled & dynamic jobs
Auth & Security	JWT, OAuth2, RBAC, PBAC, rate limiting, webhook signing (HMAC) & auditing
Payments & Integrations	Tap payment gateway (charges, payment links, refunds), webhooks, Zoho FSM, Zoho Sprints
AI & LLM	LangChain, local LLM hosting, Gemini API, review of AI-generated code
Testing	Jest, unit & integration testing
Architecture	Clean Architecture, SOLID, idempotency, indexing, caching, code review
DevOps & Tools	Docker, Git/GitHub, CI/CD, AWS S3, Postman, logging, Linux/SSH

EXPERIENCE

Backend Engineer Clean Life Company	Dec 2024 – Present, Riyadh
Promoted to lead code review and technical coordination, Dec 2025	
- Re-architected a Zoho FSM-integrated backend and brought data-retrieval latency down by around 90%, by redesigning the PostgreSQL schema, adding indexes, caching, and moving heavy work onto BullMQ queues. - Built the payment service on the Tap gateway, putting card charges, hosted payment links and refunds behind one interface the rest of the platform calls into. - Built a unified BullMQ job system with retry handling, a Redis caching and locking service with standardized keys, and an audited webhook service. Job failures dropped and the race conditions we had been seeing stopped. - Wrote a scheduled-job service that registers and reschedules jobs at runtime without restarting the server, and logs every run. - Run code review for the team, paying particular attention to AI-generated code and catching risky migrations, N+1 queries and missing indexes before merge. Also plan sprints in Zoho Sprints with the technical lead, around 45 tasks per 14-day cycle.	
Backend Developer ASAS Software Foundation	Jun 2024 – Dec 2024
- Built REST APIs for the ASAS ERP system with ASP.NET Web API and SQL Server. - Rewrote the reporting endpoints behind 10+ business reports and cut their load times.	

PROJECTS

Jaberah github.com/MohamedSaeed-dev/Jaberah-ASP	2024
Mobile app for managing mosque student records and activities, built with Flutter and ASP.NET. Deployed and still in use by 15+ people.	
Localized AI Chatbot for Generating Python Code Graduation Project	2024
Chatbot that runs an LLM locally to generate Python code with no internet connection, built with FastAPI, LangChain, React.js and Express.js for students with unreliable connectivity.	

EDUCATION

B.Sc. in Computer Science (With Honors), Hadhramaut University	2021 – 2024
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CERTIFICATIONS, MEMBERSHIPS AND VOLUNTEERING

- Saudi Council of Engineers (SCE) Membership, Specialist (Computer Science), 2026 - Microsoft Back-End Developer Professional Certificate, Coursera, 2025 - Backend Development Trainer, Hadhramaut University, 2023. Taught ASP.NET Core (MVC, REST APIs, EF Core) to 20+ students.	
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