



Kamran Mehrabi

Backend developer

SUMMARY

Backend Developer with 2+ years of experience building RESTful APIs (Node.js/Express, FastAPI) and database solutions (MySQL, MongoDB). Skilled in TypeScript, OOP, and authentication (JWT, OAuth, ...). Hands-on experience with GCP services (Application Integration, Cloud Run, BigQuery) and Docker. Bachelor's in Computer Engineering.

TECHNICAL SKILLS

- Languages: JavaScript/TypeScript, Python
- Frameworks: Node.js, Express, NestJS, FastAPI, RESTful APIs, Sequelize
- Databases: PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ
- Cloud/DevOps: GCP (Cloud Functions, Cloud Run, BigQuery, Secret Manager, Application Integration, ...), Supabase, Git/GitHub, Docker (basic)

SOFT SKILLS

Collaboration & Workflow

- Git/GitHub (Branching, Pull Requests, Rebasing)
- Agile/Scrum Methodologies (Sprint Planning, Daily Standups)
- Remote Collaboration (Async Communication, Slack, Jira)

Problem-Solving & Soft Skills

- Analytical Debugging & System Design Thinking
- Self-Motivated Learning (e.g., Mastered OAuth 2.0 Integrations Independently)

EDUCATION

Persian Gulf University

Bachelor of Computer Engineering
2020 - 2025

WORK EXPERIENCE

Backend Developer

FastAPI Microservice Development | 2024 March - 2025 March

- Implemented multi-provider OAuth 2.0 for 8+ platforms (Slack, Zoom, Microsoft, Google Workspace) using FastAPI, enabling secure third-party authentication for 10K+ users.
- Built 15+ production APIs with Python/FastAPI for calendar scheduling, file management, and video conferencing
- Secured tokens/credentials with PostgreSQL-based storage and automated refresh workflows.

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XBrain Company | 2023 April - 2024 January

- Developed and deployed serverless APIs using GCP Cloud Functions & Cloud Run, reducing infrastructure costs by 30%.
- Implemented BigQuery for analytics pipelines and Secret Manager for secure credential storage
- Automated workflows using GCP Application Integration.

PROJECTS

TypeScript OOP Backend Service | 2024- Present

- Designed a modular, Nest.js-inspired architecture with dependency injection and SOLID principles.
- Implemented JWT authentication with role-based access control (Admin/User/Guest tiers).
- Integrated RabbitMQ to decouple and reliably handle asynchronous email processing.
- Developed comprehensive unit tests using Jest to ensure code reliability (85%+ coverage).
- MySQL Data Modeling & Optimization:
- Created a relational schema with 10+ tables using foreign keys (users ↔ vehicles ↔ dealerships).
- Optimized complex queries with JOINS and indexing, achieving a 40% performance improvement.
- Enforced referential integrity via cascading updates/deletes.
- Built a validation pipeline with class-transformer/class-validator, reducing development time by 30%