

Omer Sahin

Information

A detail-oriented and fast-adaptable backend developer with a passion for problem-solving, efficiency, and continuous improvement.

Title: Backend Developer — Industrial Engineer
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Military: Exempt from compulsory military service

Education

Eskişehir Osmangazi University, Eskisehir
BSc in Industrial Engineering, GPA: 3.09 2017 - 2022
Relevant Modules: Operational Research, mathematical modelling, Heuristic and metaheuristic algorithms and methods, Optimization.
Dissertation Topic: Routing the robot using with simulated annealing metaheuristic algorithm.

Work Experience

Abra Partners

Backend Developer March 2024 - Present

- Developed and maintained microservice based Merchant, BackOffice and Payment Gateways.
- Developed and maintained microservice based banking APIs.
- Worked on many integrations like: Core Banking (Accounts, Money Transfer, Receipt, Open Banking etc.), Fraud Detection, AML, KYC, MPGS.
- Worked on whole modules in Core Banking and Payment Facilitator apps.

Piton Technology, Eskisehir, Turkey

Backend Developer July 2021 - March 2024

- Developed and maintained monolithic applications for Smart Transportation and Intelligent City solutions.
- Worked on Payment Systems, Automated Fare Collection, and Passenger Information Systems.
- Developed Demand Management and EBYS solutions.
- Worked on many global and local integrations: GePG, Sipay, Paycell, Gps Services, Government Services.

Skills

- **.NET:** .NET Core 2.2, 3.1, 5, 6, 7, 8, 9, 10-preview
- **Caching:** MemoryCache, Redis, SqlCache, HybridCache
- **Logging:** Serilog, Elasticsearch, Kibana, Seq
- **Websockets:** Signal-R, Microsoft.Websockets
- **Background Workers:** IHostedService, Quartz, Hangfire
- **Database Systems:** MSSQL, PostgreSQL, MongoDB, MinIO, BlobStores
- **Message Brokers:** RabbitMQ, gRPC, MQTT
- **Framework Development:** Developed and maintained many NuGet packages, for fast development.
- **Containers:** Docker / Docker Compose
- **Languages:** HTML, CSS, JavaScript, Python
- **Others:** MS Office Programs, VBA
- **English:** Intermediate (B1/B2)

Projects

Payment Facilitator (Abra Partners)

- Payment Facilitator for Pakistan. Global and local 10+ Payment methods, and monthly 10M+ transaction.
- Worked on: System design, Backend design, Merchant Gateway, BackOffice Gateway, Payment Gateway. Framework Development.
- Technologies: .NET Core 9, Redis, Serilog, Automapper, Elasticsearch, Kibana, PostgreSQL, CQRS, DDD, Websockets, MinIO, Microservice

Qbik (Abra Partners)

- Microservice-based banking web API development and improvement.
- Worked on: KYC Module, Core Banking Integrations, Document Module.
- Technologies: .NET Core 8, Redis, PostgreSQL, CQRS, Serilog, Microservice

IETT - Smart Stop Management System (Piton Technology)

- Smart Stop Management System for IETT. Stop Service Monitoring and Management.
- .NET Core 7, Redis, PostgreSQL, Elasticsearch, Serilog, N-Tier Arc, Monolith

IZBAN - Passenger Information and Fleet Management (Piton Technology)

- GTFS-based suburban transit scheduling, live tracking, and violation modules.
- .NET Core 7, Redis, PostgreSQL, Elasticsearch, Serilog, N-Tier Arc, Monolith, Websockets

TICIDIS - Ticketing and Fare Collection System (Piton Technology)

- Developed ticketing, turnstile validation, emergency management, and payment system integration modules.
- Developed and maintained: Main Api, Station Apis, Turnstile Controller Api, TVM Api, BoxPC (Desktop app with wpf)
- .NET Core 3.1.18, Redis, PostgreSQL, Elasticsearch, Serilog, N-Tier Arc, Monolith, Websockets, .Net Framework 4.8

ALFA System (Piton Technology)

- Developed scheduling, real-time vehicle tracking, and route planning modules.
- .NET Core 2.2, MSSQL, Elasticsearch, Serilog, N-Tier Arc, Monolith, DDD

TaksiPOS - Payment System (Piton Technology)

- Developed instant payment, account tracking, and driver management modules.
- .NET Core 7, Redis, PostgreSQL, Elasticsearch, Serilog, N-Tier Arc, Monolith, DDD

Hobbies

- The Lord of the Rings and Middle-earth
- Chess, Soccer
- Cooking
- Automobiles, Motorcycles, and Bicycles
- Technology
- Video Games

References

References available upon request.