Oğuzhan Kuzlukluoğlu

Software Engineer

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🔗 https://oguzhankuzlukluoglu-portfolio.vercel.app/ | ✉ Github | ✉ Linkedin

Summary

Software Engineer focused on developing scalable, high-performance, and well-architected backend systems, with extensive experience in modern microservices, API design, and complex system optimization. I manage SQL and NoSQL database environments and data flow improvements using engineering approaches that minimize performance bottlenecks. Committed to solving complex problems through clean code principles and sustainable design patterns, I deliver reliable software solutions that target technical excellence. Driven by a vision of continuous growth and active contributions to the open-source ecosystem, I am dedicated to elevating technical standards and building robust infrastructures.

Experience

Aiseclab   September 2025 - Present
Backend Engineer   Remote
🔗 https://runbit.ai/

Architecture: Implemented Hexagonal Architecture with Go, decoupling core logic to enhance maintainability and testability.
Data Processing: Developed a low-latency engine for real-time OHLCV market data using Go's concurrency model.
Storage & Caching: Managed a hybrid PostgreSQL/MongoDB layer with Redis caching for optimized R/W performance.
Infrastructure: Optimized system resources using Docker for containerized microservices and high-throughput scaling.
Integrations: Built scalable API connectors for crypto exchanges using the CCXT library and Fiber framework.

Veriyaz Yazılım Ltd.Şti   October 2024 - August 2025
Backend Engineer   Remote
🔗 https://edurobo.ai/

AI & EdTech: Engineered the backend for an AI-powered teacher robot using Go and the Chi framework.
Cloud & Storage: Managed AWS S3 for secure, scalable object storage of educational assets.
Persistence Layer: Modeled data with Entgo across a hybrid stack including Cassandra, Couchbase, MongoDB, and MySQL.
Security & IAM: Implemented granular RBAC and Casbin policies for secure microservice authorization.
Observability: Integrated OpenTelemetry for distributed tracing, enhancing system reliability and resource efficiency.

Dekamer   November 2024 - June 2025
Web Developer(Part-time)   Denizli/Turkey
🔗 https://www.dekamer.org.tr/

System Management: Maintained and updated the official website in coordination with the Faculty Dean.
Optimization: Enhanced performance to ensure secure and uninterrupted operation for academic and public use.
Stakeholder Relations: Translated institutional needs into technical requirements and ensured digital sustainability.

Netinternet   July 2024 - August 2024
Backend Engineer   Denizli/Turkey
🔗 https://www.netinternet.tr/

Backend Development: Developed high-performance server-side applications and infrastructure services using Go.
DC Operations: Gained hands-on experience in data center management and hardware-software integration.
System Stability: Contributed to the optimization of server environments to ensure high availability of backend infrastructures.

Projects

Brain Tumor Detection   **2025 January**

AI Modeling: Engineered a deep learning model with 96.86% accuracy for detecting and classifying four brain tumor types.
Image Processing: Leveraged Python and YOLO architecture for automated risk detection on MRI scans.
Integration: Built a specialized web interface to integrate the AI model into healthcare diagnostic workflows.

Kanban App   **August 2024**
🔗 https://github.com/oguzhankuzlukluoglu/Kanban-App

Full-Stack: Developed a Trello/ClickUp inspired application utilizing Go, Gin, and GORM.
Architecture: Followed the MVC design pattern to ensure high maintainability and system scalability.
Security & IAM: Engineered a granular RBAC system with JWT-based authentication and custom middleware.
Communication: Integrated an automated SMTP notification layer for template-based email alerts.
Persistence: Managed MySQL schemas with automated migrations and optimized queries for low-latency API responses

Yol Arkadaşım   **April 2024**
🔗 https://github.com/oguzhankuzlukluoglu/Yol-Arkadasim

Full-Stack: Engineered a ride-sharing platform inspired by BlaBlaCar for urban and intercity trips.
Frontend: Developed a responsive and high-performance UI using Next.js and TailwindCSS.
Backend: Built core infrastructure with Go and Gin, focusing on high concurrency and efficient request handling.
Persistence: Leveraged MongoDB for managing dynamic user data and travel listings with schema flexibility.
API Design: Implemented a streamlined communication layer using Axios and RESTful API principles.

Skills

Languages	Backend Frameworks	Database & Persistence	Cloud & Infrastructure	Version Control & CI/CD
Golang, Java, C#, Python, MATLAB, Julia	Gin, Fiber, Spring Boot, ASP.NET Core / .NET	PostgreSQL, MySQL, MongoDB, Cassandra, Couchbase	AWS (S3, EC2), Docker, OpenTelemetry	Git, GitHub, GitLab, CI/CD Pipelines

Education

Pamukkale University   **August 2020 - June 2025**
Computer Engineering   Bachelor's Degree

Volunteering

Genç Yazılımcılar   **January 2024**
Founder   Denizli/Turkey

Leadership: Founded and led the community at Pamukkale University to foster collaboration among developers.
Mentorship: Organized and delivered technical workshops and software development training sessions.
Event Management: Managed end-to-end event organization, securing corporate sponsorships and guest speakers.
Coordination: Led a volunteer team to execute logistics, marketing, and operations for hackathons and seminars.

Languages

Turkish	English	Deutsch
Native	C1	A2
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References

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