GÖRKEM KURTKAYA

SOFTWARE ENGINEER

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I am a backend-focused software developer with strong fullstack experience. While my main interest lies in building scalable backend systems using technologies such as NestJS, Node.js, Redis, Kafka, RabbitMQ, and PostgreSQL, I have also developed fullstack projects with React, Next.js, MongoDB, Supabase, Firebase, and Docker. Having worked on microservices, real-time communication, and cloud-based deployments (GCP), I am eager to bring my knowledge and passion to large-scale projects while continuously improving myself.

SKILLS

- Node Js
- Nest Js
- React Js, Next Js
- MongoDB, PostgreSQL
- Kafka
- JavaScript
- Rest API
- Docker
- Redis

PROFESSIONAL EXPERIENCE

Elmali Tech   **March 2025 - June 2025**
Fullstack Developer (Remote)
- Developed scalable backend services using Node.js, leveraging Supabase and Firebase for data management.
- Built dynamic and high-performance frontend applications with React and Next.js.
- Integrated Firebase and Supabase for authentication, data synchronization, and real-time data management.

Panates Bilgi Teknolojileri   **February 2024 - May 2024**
Backend Developer Intern
- Developed both backend services using NestJS and NodeJS, and frontend applications using React.
- Hands-on experience with MongoDB and PostgreSQL for database management.
- Created and enhanced user experience-focused interface designs.
- Gained experience in API integrations and database management.

EDUCATION

Patika.dev & Newmind AI Fullstack Bootcamp   **October 2024 - December 2024**
- During the Patika.dev & Newmind AI Fullstack Bootcamp, I learned and strengthened my skills in React, Node.js, MongoDB, PostgreSQL, Redis, Kafka, Docker, and microservices architecture.
- I worked on monolithic and microservices architectures, gaining hands-on experience in building scalable systems.
- Implemented real-time data processing, message queue management, and advanced search using Redis, Kafka, and Elasticsearch.
- For the final project, I developed a containerized e-commerce platform using Docker, integrating all the technologies we learned.

Bachelor's Degree in Energy Systems Engineering   **2020 - 2024**
Celal Bayar University

Associate Degree in Computer Programing   **2022 - 2024**
Anadolu University

PROJECTS

Final Case Newmind E-Commerce

- **Backend**: I developed the backend using Node.js and Express, implementing user authentication (JWT), product management, order processing, and Redis caching for optimization.Hands-on experience with MongoDB and PostgreSQL for database management.
- **Microservices Architecture**: I built scalable microservices for payment, invoicing, and order processing using Kafka for asynchronous communication.Gained experience in API integrations and database management.
- **Data Management**: I used MongoDB to store product and user data and integrated Elasticsearch for fast and efficient search capabilities.
- **Frontend**: I designed a modern and responsive user interface with React (Vite) and Ant Design to enhance the user experience.
- **Docker & DevOps**: I containerized all components using Docker and Docker Compose, ensuring easy deployment and scalability.

Restaurant Order & Management System

- **Purpose:** A web-based platform where users can place online orders and restaurant owners can track them in real time.
- **Backend:** Node.js, Express.js, Supabase, Redis, PostgreSQL; integrated with Stripe for payments, Kafka for microservice communication, and Socket.IO for live updates.
- **Frontend:** Built with Next.js, Tailwind CSS, and Ant Design; includes responsive UI and real-time admin dashboard.
- **Architecture:** JWT-based authentication, microservice architecture, and global state management via Context API.
- **Role:** Responsible for backend architecture, payment system integration, microservices, real-time communication, and frontend UI development.

IoT Sensor Monitoring System

- **Purpose:** Collect and monitor real-time temperature and humidity data from factory IoT sensors**.**
- **Backend:** Built with NestJS, integrated with EMQX MQTT Broker, uses Supabase (PostgreSQL) for storage, and supports JWT-based authentication and structured logging.
- **Frontend:** Developed using Next.js, utilizes Socket.io for real-time sensor data updates and dynamic UI rendering.
- **Security & Access Control:** Only authorized users can access sensor data via role-based access and TLS-secured MQTT connections.
- **Deployment:** All services are containerized with Docker and deployed on Google Cloud Run, including a simulated test microservice for sensor data generation.

SOFT SKILLS

- Problem-Solving & Debugging
- Team Collaboration (Agile, Scrum)
- Effective Communication
- Adaptability & Continuous Learning
- Time Management

CERTIFICATION

- **PATIKA.DEV NEWMIND AI FULLSTACK BOOTCAMP**
- **YAZILIMA İLK ADIM: BACK END GELİŞTIRME PATIKA.DEV**
- **Yazılım ve Teknoloji Okulu CODERSPACE**