GORKEM 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, I am eager to bring my knowledge and passion to large-scale projects while continuously improving myself.

SKILLS

- Node.Js
- Nest.Js, Express.Js
- React.Js, Next.Js
- JavaScript, TypeScript
- NoSQL, PostgreSQL
- Redis, MongoDB
- Kafka, RabbitMQ
- WebSocket, Socket.io
- Supabase, Firebase
- Docker
- GitHub Actions, Git
- GCP, AWS

PROFESSIONAL EXPERIENCE

Elmali Tech   **March 2025 - June 2025**

Fullstack Developer (Remote)

- Developed backend services with NestJS and Node.js, creating scalable API structures.
- Built frontend features using Next.js, React, Ant Design, and Tailwind.
- Designed and managed databases with PostgreSQL and Supabase.
- Implemented Supabase Auth, Storage, and real-time WebSocket features for dynamic data updates.
- Used Firebase (Auth, Firestore, Storage) for secure authentication and file handling where required.
- Developed a real-time CV builder with live preview, drag-and-drop layout editing, and stable PDF generation.
- Improved performance by optimizing database structure and real-time data handling in Supabase.

Panates Information Technologies   **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**

- React, Node.js, MongoDB, PostgreSQL, Redis, Kafka, Docker, Microservices
- Experience with monolithic & microservices architectures, real-time data processing, message queues, and Elasticsearch
- Developed a containerized e-commerce platform integrating learned technologies

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

- **Purpose**: Developed a modular e-commerce platform as part of the Patika.dev/Newmind AI Fullstack Bootcamp, designed for scalability, maintainability, and cloud deployment.
- **Backend & Data Management:** Built backend services with Node.js, Express, MongoDB, PostgreSQL, Redis, and Kafka, implementing authentication (JWT), product/order management, media handling (Cloudinary), caching, and Elasticsearch-based search.
- **Frontend**: Created a responsive and modern UI with React (Vite) and Ant Design, enabling product browsing, cart management, and order tracking with seamless API integration via Axios.
- **Docker & DevOps**:Containerized all components (backend, frontend, microservices, Redis, Kafka) using Docker and Docker Compose, enabling one-command deployment and easy local development..

Restaurant Order & Management System

- **Purpose:** Developed a web-based restaurant order and management system where customers can place online orders and restaurant owners can track them in real time.
- **Backend & Data Management:** Implemented backend with Node.js, Express.js, Supabase, PostgreSQL, Redis, and Kafka; integrated Stripe for secure payments, Socket.IO for live updates, and JWT-based authentication for user sessions.
- **Frontend:** Built a responsive, real-time admin dashboard and customer interface using Next.js, Tailwind CSS, and Ant Design, with global state management via Context API.
- **Docker & DevOps:** Deployed services (backend, frontend, invoice microservice) to AWS App Runner and Google Cloud Run, ensuring scalability and easy maintenance.

IoT Sensor Monitoring System

- **Purpose:** Developed an IoT monitoring system to collect and visualize real-time temperature and humidity data from factory sensors, with secure role-based access and logging.
- **Backend & Data Management:** Built with NestJS, integrated with EMQX MQTT Broker for data ingestion, stored readings in Supabase (PostgreSQL), implemented JWT authentication, TLS-secured MQTT connections, and structured JSON logging.
- **Frontend:** Developed with Next.js and Socket.IO for real-time sensor data updates, featuring dynamic dashboards and role-based data access.
- **Docker & DevOps:** Containerized all services (backend, frontend, microservices) with Docker and deployed to Google Cloud Run, including a simulated MQTT microservice for sensor data generation.

SOFT SKILLS

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

CERTIFICATION

- **Newmind AI FullStack Bootcamp - Patika.dev**
- **Introduction to Software Development: Backend Development – Patika.dev**
- **Software & Technology School – Coderspace**