

MEHMET ANIL

Junior Backend Developer / Full-Stack Software Engineer

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Portfolio: mehmetanil-site.vercel.app

SUMMARY

Backend and Full-Stack focused Computer Engineer with hands-on experience in Node.js, JavaScript, TypeScript, Next.js, Vue.js, PostgreSQL, MongoDB, SQL Server, and database optimization. Experienced in developing web applications, designing database-driven systems, creating SQL-based reports, and improving performance in production environments. Strong background in ERP systems, backend-oriented software support, full-stack project development, and data-driven application design. Currently pursuing an MSc in Computer Engineering and aiming to contribute to backend, full-stack, SaaS, and product-focused software engineering teams.

WORK EXPERIENCE

Software Support Specialist, Uzser Teknoloji

Nov 2024 – Feb 2026

- Provided backend-oriented software support for corporate ERP systems.
- Designed and developed complex SQL Server queries, views, and reports based on client requirements.
- Improved database performance through execution plan analysis, query optimization, and index tuning.
- Supported production systems by performing maintenance, version updates, troubleshooting, and performance improvements.
- Worked closely with business users to analyze technical requirements and deliver reliable software solutions.
- Gained practical experience in production databases, system reliability, debugging, and data-driven application support.

Intern Software Engineer, SYPR Yazılım Yapay Zeka

Feb 2024 – Jun 2024

- Worked on an AI-supported advertising optimization application using Node.js, JavaScript, Appsmith, and Vue.js.
- Contributed to frontend and backend-related development tasks in a product-oriented software environment.
- Gained hands-on experience in web application development, data-driven product features, and AI-supported software solutions.

IT Intern, Teleset Group

Sep 2023 – Jan 2024

- Supported design of forms, workflows, and business process management tools; contributed to digitalization and reporting efforts.
- Work helped enhance system efficiency and provided valuable insights through process improvements.

IT Intern, PilenPak Ambalaj

Jun 2023 – Aug 2023

- Managed and resolved technical issues in factory programs using Java, JSP, and PL/SQL; improved program stability and operational processes.

EDUCATION

Master's Degree in Computer Engineering with Thesis — Sept 2025 – Ongoing

Dokuz Eylül University

Bachelor of Computer Engineering — Sept 2020 – July 2024

Manisa Celal Bayar University · GPA: 3.09/4

PROJECTS

1. VehicleGuard — Predictive Fleet Maintenance Platform (2026) · Live Demo

Built an end-to-end predictive maintenance dashboard for vehicle fleets using FastAPI, Next.js, PostgreSQL, and XGBoost. Implemented ML pipelines for risk classification (Low/Medium/High) and Remaining Useful Life (RUL) prediction. Integrated OBD-II telemetry simulation, automated alert generation, JWT authentication, and real-time health score visualization with 5s polling. Deployed on Vercel + Render.

2. YDSXP — YDS/YÖKDİL Study Tracker (2026) · Live Demo

Built a full-stack gamified study tracker for YDS/YÖKDİL exam preparation featuring an XP progression system, daily goal tracking, and SM-2 spaced repetition flashcards. Developed with Next.js 14, TypeScript, Prisma, and PostgreSQL. Deployed on Vercel with Supabase.

3. VoiceNav Assist — Voice Navigation Assistant (2024)

Created a voice navigation assistant using Python, NLP, and AI. The system processes voice commands to provide navigation assistance and relevant responses. Highlighted expertise in voice recognition and machine learning.

4. Driver Field Detection — Computer Vision System (2024)

Developed a real-time driver distraction detection system using Python, OpenCV, and YOLOv4. Employed advanced image processing and ML algorithms to identify anomalies and improve road safety.

5. Bostorek — Book Review & Rating Platform (2024)

Designed and developed a book review and rating platform using JavaScript, Node.js, and MongoDB. Users can leave reviews, give ratings, and explore books based on community feedback.

6. Social Media Web Scraping Tool (2024)

Built a web scraping tool using JavaScript, Node.js, and PostgreSQL to periodically extract and store social media data for further analysis.

ADDITIONAL INFORMATION

- Technical Skills: Python, JavaScript, TypeScript, Node.js, Next.js, Vue.js, FastAPI, SQL Server, PostgreSQL, MongoDB, SQLAlchemy, REST API Development, SQL Query Optimization, Database Performance Tuning, XGBoost, scikit-learn, OpenCV, YOLOv4, NLP, Web Scraping, Docker (basic), Git.
- Languages: English (B2), Turkish (Native).
- Certifications: Google Code Jam, HUAWEI Cloud HCCDA – Tech Essentials.
- Awards/Activities: Actively contributed as project staff in the "Stream It Up" project, in collaboration with Celal Bayar University and the STEM Educators Association.