

EMIR AYDIN

AI Automation Engineer | Full Stack Software Engineer

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EXPERIENCE

IT & Software Specialist

Dentech Medikal

03/2026 - Present

- Developed a Python-based automation pipeline that processed and translated 35,000 webinar subtitle lines in under one minute, significantly reducing manual translation effort while preserving terminology consistency.
- Designed and implemented a QR-based participant management system utilizing Google Workspace APIs, fully automating the generation and registration and tracking of 75 personalized event badges.
- Led the migration of the company's digital commerce platform from Wix to IKAS, restructuring 330 products and redesigning 35 pages to improve system scalability and prepare the infrastructure for future mobile application development.
- Engineered an AI-powered customer support chatbot integrated with internal knowledge bases (20 documents), successfully automating responses for over 100 domain-specific business queries and reducing manual support workload.
- Collaborated directly with business stakeholders to analyze operational bottlenecks and rapidly deliver AI-powered automation solutions that reduced repetitive manual work.

Full Stack Developer Intern

32bit Bilgisayar Hizmetleri Ltd

06/2025 - 08/2025

- Developed robust backend and frontend modules utilizing Java, Spring Boot, React, and PostgreSQL.
- Collaborated in agile environments, actively participating in technical planning, sprint reviews, and deployment processes.

AI Engineering Intern

Novelty AI

06/2024 - 08/2024

- Contributed to healthcare-focused AI and web development projects, leveraging Flask, OpenCV, and Machine Learning methodologies to build RESTful APIs and process visual data.

EDUCATION

Software Engineering

Kyrenia University

2021 - 2025

PROJECTS

CarryHub

Developed a comprehensive marketplace and operating system for textile logistics. Built core modules encompassing company operations, courier routing, delivery tracking, and dynamic pricing, with the architecture specifically designed to support future AI-driven batch optimization and financial reporting.

AI Customer Support Chatbot

Designed a domain-specific chatbot architecture utilizing prompt engineering and guardrails to accurately resolve customer inquiries and route complex issues to human experts based on internal documentation.

Python Translation Automation

Created a high-speed text processing tool capable of parsing and translating large-scale textual datasets (35,000 lines) in under 60 seconds.

ELEM-AI (In Progress)

Building an AI-powered business automation platform designed to streamline operational workflows and reduce manual administrative overhead.

SUMMARY

IT & Software Specialist Software Engineer

Specializing in **AI-driven automation** systems, **backend** architecture, and **digital** transformation. Experienced in building **scalable full-stack** applications and integrating **AI technologies** (OpenAI, Gemini) to automate complex workflows and resolve real business challenges. Proven ability to transform manual operations into **automated, efficient** systems that deliver measurable impact and improve operational scalability.

SKILLS

Backend & Frameworks

Spring Boot Next.js REST APIs

Vercel

Databases

Supabase PostgreSQL MySQL

AI & Automation

OpenAI API Google Gemini API

AI Agents Prompt Engineering

Google Workspace APIs

Tools & DevOps

Git GitHub Docker (Learning)

GitHub Actions (Learning) Postman

CERTIFICATIONS

B2+ English Certificate

Frances King London

CAD/CAM Certificate

Desita Software

LANGUAGES

Turkish Native English B2+ German Basic

FIND ME ONLINE

in LinkedIn

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