

ADEM YILDIRIM

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SUMMARY

Backend and Cloud-focused Software Engineer with hands-on experience designing and building scalable, reliable backend systems using Python, TypeScript, and Node.js. Strong background in RESTful APIs, microservices, and cloud-native architectures on AWS and Azure. Experienced in Infrastructure as Code, CI/CD automation, and backend platforms supporting AI-driven workflows, LLM-based features, and enterprise system integrations.

EDUCATION

B.Sc. in Mathematical Engineering

October 2021 – June 2026

Yildiz Technical University

EXPERIENCE

Software Engineer (Backend & Cloud)

Mar 2025 – Present

Siemens

- Backend-oriented Software Engineer working within AI teams, building scalable and reliable backend systems using Python, TypeScript, and Node.js.
- Design, develop, and maintain RESTful APIs, backend services, and automation solutions supporting AI-powered features, internal platforms, and external integrations.
- Develop cloud-native backend architectures on Azure and AWS for AI-centric systems, covering infrastructure design, deployment, security, and networking.
- Actively use Infrastructure as Code with Terraform and CloudFormation and contribute to CI/CD pipelines supporting production-grade backend and AI workloads.
- Design, integrate, and scale Large Language Model (LLM)-based capabilities including language processing, intelligent automation, and AI-assisted decision logic.

Software Engineer

Aug 2024 – Jan 2025

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Worked on cloud-based backend systems using Python and Node.js, contributing to RESTful APIs and microservices deployed on AWS. Supported CI/CD pipelines, containerized services, and production cloud deployments while improving system reliability and maintainability.

Software Engineer Intern

Jun 2024 – Jul 2024

Ziraat Technology

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Go, Java

Backend: Node.js, FastAPI, Flask, Django, Spring Boot, RESTful APIs, Microservices

Cloud & DevOps: AWS, Azure, Docker, Terraform, CloudFormation, CI/CD

Databases: PostgreSQL, MySQL, DynamoDB

AI & Automation: LLM Integration, Backend Automation, ServiceNow, Microsoft Ecosystem