

Esat Adiloglu

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EDUCATION

Stevens Institute of Technology

Hoboken, NJ

Bachelor of Science in Computer Science | GPA: 3.890

Expected May 2026

Scholarships and Awards: Edwin A. Stevens, Dean's List: Fall 2023-Spring 2025

Relevant Coursework: Cloud Computing, Data Mining, Deep Learning, Agile Methodologies, Software Development, Database Management, Web Programming, Data Structures and Algorithms

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python, C, C++, SQL, Bash, HTML, CSS

Technologies and Frameworks: Spring Boot, Next.js, React, Angular, Express.js, Node.js, Electron.js, Redux, Recharts, AJAX, jQuery, Pandas, Numpy, PostgreSQL, MySQL, MongoDB, Firebase, Redis, Pinecone

Cloud & Devops: AWS, GCP, Git, Linux, Docker, Kubernetes, CI/CD

EXPERIENCE

Backend Developer

July 2025 - Present

Mentorly Learn

Remote

- Developed scalable backend features for an educational platform, developing **20+** RESTful API endpoints using Java Spring Boot and Spring Data JPA, and managing **6** MySQL schema migrations with Flyway
- Optimized API response latency by **47%** and reduced database load by implementing a caching layer with Redis
- Built scalable media handling workflows using GCP Storage and secured all endpoints with custom JWT filters
- Collaborated in an Agile team of **10+ developers**, leveraging GitLab for task coordination and project delivery

Course Assistant

September 2024 - Present

Stevens Institute of Technology

Hoboken, NJ

- Assisted in two courses with **40+** students each on programming foundations (Python) and data structures (Java)
- Hosted weekly office hours and recitations/labs, answering questions, debugging code and reinforcing key concepts
- Graded homework assignments and labs, providing detailed and constructive feedback on logic and syntax error

Software Engineer

May 2024 - August 2024

Unes Meat and Chicken LLC

Hackettstown, NJ

- Engineered a cross-platform inventory management application using Electron.js, React, and Node.js, enabling a team of **5** to manage livestock and financial data with improved data integrity
- Streamlined **1,000+** legacy Excel records into structured JSON using SheetJS to power an interactive Recharts dashboard, facilitating on-demand inventory insights and saving **10+** hours of manual work weekly
- Reduced deployment time by **60%** by engineering a robust CI/CD pipeline using Docker and GitHub Actions
- Improved system usability by delivering feature upgrades and UI refinements based on weekly stakeholder feedback

PROJECTS

Advanced Turkish Translator | *Next.js, Java, Spring Boot, PostgreSQL, Material-UI* July 2025 - August 2025

- Engineered a full-stack English-Turkish translator application, offering full-sentence and word-level meanings with a flashcard feature and spaced repetition algorithm to enhance vocabulary retention
- Achieved in-depth sentence and word-level analysis by integrating DeepL and Zemberek NLP into the backend
- Improved flashcard response time by **27%** by implementing caching and optimizing SQL queries for vocab retrieval

Rate My Professor Chatbot | *Next.js, Gemini, Python, Pinecone, LangChain, Ollama, Material-UI* August 2024

- Built and deployed a responsive Next.js application on Vercel, utilizing Google Gemini to deliver professor reviews
- Implemented a RAG-powered backend API to generate accurate, contextually relevant responses to user queries

Stevens Final Exam Finder | *Typescript, React, Node.js, Express, PostgreSQL*

July 2024

- Built a full-stack application to streamline final exam scheduling for students at Stevens Institute of Technology
- Modified Excel-style exam schedules into a PostgreSQL database, optimizing data management and data retrieval
- Deployed the application and PostgreSQL database on Render, ensuring high availability for **1000+** students