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, Agile Methodology, Software Development, Database Management, Web Programming, Data Structures and Algorithms

TECHNICAL SKILLS

Languages: Java, Typescript, Python, C, C++, SQL, Bash, HTML, CSS
Technologies and Frameworks: Spring Boot, Next.js, React, Angular, Express.js, Node.js, Electron.js, Redux, Pandas, Numpy, PostgreSQL, MySQL, MongoDB, Firebase, Redis, Pinecone
Cloud & Devops: AWS, Google Cloud Provider, Git, Docker, CI/CD (GitHub Actions)

EXPERIENCE

Backend Developer   July 2025 - Present
Mentorly Learn   *Remote*

- Enhanced tutor–student interactions by extending a Java Spring Boot backend with 2 MySQL schemas, and 10+ JWT-protected REST API endpoints, improving the overall platform performance
- Leveraged Google Cloud Provider storage bucket to streamline homework file storage, enabling secure, scalable, and easily accessible file upload, and retrieval for tutors and students
- Delivered 73% coverage of endpoints and database access by implementing 40+ unit tests using JUnit and Mockito
- Collaborated in an agile team environment to ensure efficient project progress and alignment

Course Assistant   September 2024 - May 2025
Stevens Institute of Technology   *Hoboken, NJ*

- Assisted in 2 courses that had 40+ students each, providing guidance on Python and Java assignments covering programming fundamentals and basic data structures
- Hosted weekly office hours and recitations, assisting students by answering questions and helping with coursework
- Graded the students' homework, labs, and tests in a timely manner

Software Engineer   May 2024 - August 2024
Unes Meat and Chicken LLC   *Hackettstown, NJ*

- Designed and developed an inventory management system using Electron.js with Excel integration, providing a team of 5 people with quicker and accurate livestock count and financial records
- Implemented a CI/CD pipeline (GitHub Actions) to automate testing, building and deployment of the management system, cutting deployment time by $\sim 60\%$ and reducing operational overhead
- Engineered an interactive dashboard using Recharts to visualize the livestock and financial data
- Spearheaded weekly meetings with the business owner to gather feedback, and prioritize features, improving product reliability and user satisfaction

PROJECTS

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

- Developed an English–Turkish translator that provides both full-sentence and word-level meanings, coupled with a flashcard feature and spaced repetition algorithm to strengthen user vocabulary retention
- Integrated DeepL API and Zemberek NLP into the Java Spring Boot backend to provide accurate translations, including decomposition of Turkish words into root words and suffixes for enhanced precision
- Implemented JWT authentication and middleware to prevent unauthorized access, and Bucket4j rate limiting to prevent excessive requests, maintaining system integrity

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

- Built an AI-powered chatbot to deliver professor reviews and ratings through a user-friendly, interactive interface.
- Integrated a Pinecone vector database with Python to store and retrieve professor data efficiently, enabling fast and relevant response generation.

Stevens Final Exam Finder | *Typescript, React, Node.js, Express, PostgreSQL*   July 2024

- Collaborated with a team of four during a hackathon to create a web application to streamline final exam dates and times for 1000+ Steven Institute of Technology students
- Modified Excel-style exam schedules into a PostgreSQL database, optimizing data management and retrieval