

Esat Adiloglu

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EDUCATION

Stevens Institute of Technology
Bachelor of Science in Computer Science | GPA: 3.890
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, Algorithms, Data Structures

Hoboken, NJ
Expected May 2026

TECHNICAL SKILLS

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

EXPERIENCE

Backend Developer
Mentorly Learn
• Enhanced tutor-student interactions by extending a Java Spring Boot backend with 2 MySQL schemas, and 10+ JWT-protected REST API endpoints.
• Delivered 73% coverage with 40+ unit tests using JUnit and Mockito, ensuring reliable database access.
• Collaborated in an agile team environment to ensure efficient project progress and alignment.

July 2025 - Present
Remote

Course Assistant
Stevens Institute of Technology
• Assisted in 2 courses that had 40+ students each with programming topics and assignments in Python and Java.
• Hosted weekly office hours and recitations to assist students on homework, labs, and topics covered in class.
• Graded the students' homework, labs, and tests in a timely manner.

September 2024 - May 2025
Hoboken, NJ

Software Engineer
Unes Meat and Chicken LLC
• Engineered an inventory management system using Electron.js and Spring Boot for a 5 person team, integrating an Excel-based database to track livestock count and financial transactions on a daily basis.
• Implemented a CI/CD (GitHub Actions) pipeline to automate testing, building and deployment of the management system, leading to a 40% reduction in deployment time.
• Spearheaded weekly meetings with the business owner to gather feedback, and prioritize features, improving product reliability and user satisfaction.

May 2024 - August 2024
Hackettstown, NJ

PROJECTS

Advanced Turkish Translator | *Next.js, Springboot, PostgreSQL, Material-UI*
• Developed an English-Turkish translator that provides both full-sentence and word-level meanings, coupled with a flashcard feature to strengthen user vocabulary.
• Integrated DeepL API and Zemberek NLP into the Spring Boot backend to deliver accurate translations.
• Implemented JWT authentication and middleware to prevent unauthorized access while maintaining integrity.

July 2025 - August 2025

Redis Clone | *Java*
• Developed an in-memory key-value store in Java, replicating core Redis functionality such as GET, SET, DEL, RPush, and BLPOP, improving understanding of high-performance caching systems.

July 2025

Rate My Professor Chatbot | *Next.js, Gemini, Python, Pinecone, Material-UI*
• Built an AI-powered chatbot to deliver professor reviews and ratings through a user-friendly, interactive interface.
• Designed a backend API powered by a RAG Pipeline that uses LangChain, Ollama, and a Pinecone vector database to generate accurate, context-aware responses to user queries.

August 2024

Stevens Final Exam Finder | *Typescript, React, Node.js, Express, PostgreSQL*
• Collaborated with a team of three 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.

July 2024

Minishell | *C*
• Developed a lightweight linux shell with core commands, including a lp command to list all active processes.

March 2024 - April 2024