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, 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*
- Enhanced the backend of a tutor-student interaction platform by developing 15+ RESTful API endpoints with Java Spring Boot (MVC), and extending the MySQL schema with 3 tables
- Leveraged Google Cloud buckets for secure and easily accessible storage and retrieval of homework and blog files
- Delivered 92% coverage of endpoints and database access by implementing 50+ unit tests using JUnit and Mockito
- Contributed in an Agile environment, utilizing GitLab for task coordination and streamlining project delivery

Course Assistant   September 2024 - Present
Stevens Institute of Technology   *Hoboken, NJ*
- Assisted in 2 courses of 40+ students each, covering material in programming fundamentals and data structures
- Hosted weekly office hours and recitations/labs, addressing student questions and providing additional support
- Graded homeworks and labs in a timely manner, giving feedback on incorrect answers and coding mistakes

Software Engineer   May 2024 - August 2024
Unes Meat and Chicken LLC   *Hackettstown, NJ*
- Designed and developed an inventory management system using Electron.js, React, and Node.js, providing a team of 5 people with quicker and accurate livestock count and financial records
- Integrated Excel data parsing with SheetJS to transform thousands of records into data for a Recharts dashboard, enabling real-time inventory and data-driven decision making
- Built a CI/CD pipeline with GitHub Actions, reducing deployment time and operational overhead by $\sim 60\%$
- Coordinated meetings with the owner to gather feedback, enhancing product quality and ensuring user satisfaction

PROJECTS

Advanced Turkish Translator | *Next.js, Java, Spring Boot, PostgreSQL, Material-UI*   July 2025 - August 2025
- Developed an English–Turkish translator offering both full-sentence and word-level meanings, coupled with a flashcard feature and spaced repetition algorithm to enhance vocabulary retention
- Integrated DeepL and Zemberek NLP into the Spring Boot backend for detailed sentence and word analysis
- Built a responsive frontend with Next.js and Material-UI for seamless translation and flashcard experience

RateTheThemePark | *HTML, CSS, JavaScript, Express, jQuery, Handlebars*   September 2024 - December 2024
- Engineered a full-stack web application allowing users to rate and comment on theme parks, rides, and food stalls
- Built a secure authentication system with encrypted passwords in MongoDB and XSS-protected RESTful APIs.
- Developed a responsive frontend using Handlebars and jQuery with comprehensive client-side input validation

Rate My Professor Chatbot | *Next.js, Gemini, Python, Pinecone, LangChain, Ollama Material-UI*   August 2024
- 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.
- Integrated a Pinecone vector database with Python to store, retrieve, and index professor-related data efficiently.