

Huseyin Yusuf Hocaoglu

huseyinyusufhocaoglu@gmail.com | 0534 870 04 46 | linkedin.com/in/yusufhocaglu | github.com/yusufhoglu

Profile

Final-year Software Engineering student with 2+ years of backend development experience, currently working part-time at Jotform. Passionate about Blockchain and Web3, with hands-on Ethereum project experience and a Teknofest Blockchain category Top 10 finalist. Interested in web security, with participation in various cybersecurity events. Actively improves through side projects, algorithm problem-solving, and hackathons.

Education

- Muğla Sıtkı Koçman University (100% English)** , B.Eng. in Software Engineering Sept 2021 – Jun 2026
- GPA: 3.53/4.0
- Global Traniee, EPAM** Jun 2023 – Mar 2024
- I gained knowledge in Java Lambdas and Streams, IO, Collections, Design Patterns and Principles, Multithreading and Concurrency, and JVM Memory Management.

Experience

- Backend Support Engineer, JOTFORM – Enterprise Team** Nov 2024 – Present
- I troubleshoot bugs and complete assigned tasks using PHP and React.js. In addition, balancing work alongside my studies significantly strengthened my time management skills. Moreover, working within Jotform's large-scale codebase and resolving bugs across different product, often touching new components each time, greatly enhanced my ability to quickly understand issues in complex systems, further improving both my problem-solving and debugging skills.
- Backend Developer Intern, JOTFORM** Aug 2024 – Sep 2024
- With my team, we developed an AI-powered SEO enhancement tool using PHP, SQL and the OpenAI API.
- Backend Developer, Vihobook** Dec 2023 – Apr 2024
- With my team, we developed a health tourism website using TypeScript, Nest.js, and Microsoft SQL. My greatest achievement during this experience was quickly grasping NestJS, a technology I had no prior knowledge of at the beginning, and rapidly adapting to it by leveraging my problem-solving skills.
- Backend Developer, Shiftsoft Technology** Jun 2023 – Sep 2023
- With my team, we built a service using Express.js and MongoDB that allows employees of a logistics company to track and update shipment statuses.

Soft-Skills

- Mugla Blockchain Community** March 2024 – Present
Community Lead
- Organized various conferences and events
 - Secured sponsorships and partnerships
 - We participated in both national and international hackathons.
 - We signed an internship protocol with a Web3-focused company.

Projects

hembul.com

NestJS, React, AWS SQS, AWS S3, AWS SES, WebSocket, CI/CD Pipeline, GitHub Actions

- Built full-stack architecture, developing both backend (NestJS) and frontend (React)
- Implemented real-time chat, file upload, and notification systems using WebSocket and AWS services
- Designed for scalability with regular load testing and log monitoring

Embedding-Based Analysis and Reporting Framework for Corporate Penetration Testing Results

QdrantDB, Embedding Models, Semantic Search, Tor Network, Proxy Server

- Graduation project — Designed and implemented a semantic cybersecurity intelligence platform by embedding 20 years of CVE records and indexing them in Qdrant, enabling context-aware vulnerability discovery beyond keyword-based search.
- Built an anonymous communication layer via a custom proxy server over the Tor network