ELIAS DOUNAS

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PROFILE

Final-year Software Engineering student passionate about software development and web technologies. Dynamic, detail-oriented, and analytical, with strong adaptability and a continuous drive to learn and grow.

EDUCATION

National Institute of Posts and Telecommunications (INPT)   2023 - 2026 (Expected)
Advanced Software Engineering for Digital Services

Preparatory Classes for Engineering Schools – Mathematics and Physics (MP)   2023

Baccalaureate in Mathematics   2022

EXPERIENCE

Software Engineer Intern   June - Sept 2025
MARSSY LLC - Menteva

- Designed and implemented prioritization mechanisms, concurrency control, and caching strategies to optimize AI task performance.
- Contributed to the design and development of new backend and frontend features.
- Applied software engineering best practices, including code reviews, unit testing, and technical documentation.

Software Engineer Intern   June - Sept 2024
Ministry of Health and Social Protection   *Rabat, MA*

- Collaborated with a cross-functional team to build the e-ESJ healthcare platform for young people, doctors, and health professionals.
- Designed UI/UX wireframes with Figma, ensuring a smooth and intuitive user registration experience.
- Developed and implemented the frontend for user registration and authentication, including an internationalization feature with Next.js and Tailwind CSS.

PROJECTS

Cloud-native live streaming platform. Developed a live streaming and Video On Demand platform using microservices and Domain-Driven Design. Integrated Amazon IVS for low-latency streaming and AWS S3 for scalable video storage. Secured the system with Keycloak for authentication and role management. [(GitHub Link)](#)

Twitter Clone. Built a functional Twitter clone with Next.js, TypeScript, Tailwind CSS, and MongoDB. Implemented authentication, tweet publishing, profile management, and interactions such as likes, comments, and bookmarks. [(GitHub Link)](#)

Hotel Booking Platform. Designed the user interface with React and Tailwind CSS, developed the RESTful API with Node.js (Express), and integrated MongoDB for managing booking and user data. [(GitHub Link)](#)

3-Tier Web Application. Developed, containerized, and deployed a 3-tier web application (React, Spring Boot, PostgreSQL) for student and grade management using Docker, Docker Swarm, and Kubernetes. [(GitHub Link)](#)

SKILLS

- Algorithms and Data Structures
- Programming Languages: Java, Python, JavaScript, TypeScript
- Web Technologies:

- – Frontend: React, Next.js, Tailwind CSS
- – Backend: Java (Spring Boot), with exposure to Node.js (Express) and Python (Django)
- Design Thinking and UI/UX Design with Figma
- Databases: Relational (MySQL, PostgreSQL, SQLite), NoSQL (MongoDB, Redis)
- DevOps Tools: Docker, Kubernetes, GitOps (ArgoCD), GitLab CI/CD
- Agile Methodologies: SCRUM Framework

EXTRACURRICULAR ACTIVITIES

- Member of the Computer and Telecommunications Club (CIT INPT), Web Development Division