Mohcen Djeid

djeidmohcen@gmail.com | LinkedIn | GitHub | Portfolio

EDUCATION

Üskudar University **06/2026**
Bachelor's, Software Engineering *GPA: 3.5*

- Relevant coursework :Data Structures, Object-Oriented Programming I & II, Software Design and Architecture, Operating Systems, Database Management Systems, Software Requirements Analysis, Software Construction, Software Validation and Testing, Statistics, Discrete Mathematics, Software Project Management, Web Programming

PROFESSIONAL EXPERIENCE

Software Persona (Tunca Group) **Istanbul, Turkey**
Software Engineering Intern *01/2026 - 02/2026*

- Designed Figma-based interfaces and implemented responsive React components for web and mobile.
- Supported data-driven features through SQL-based relational databases.
- Maintained cross-platform UI consistency using shared component systems.
- Contributed across design, development, and data integration stages.

EARTech **Istanbul, Turkey**
Software Engineering Intern *07/2025 - 08/2025*

- Explored web security fundamentals and common vulnerabilities, applying secure development practices in internal projects.
- Explored modern security threats and conducted network assessments using Kali Linux and Nmap to understand and patch system weaknesses.
- Built and deployed an AI chatbot using Microsoft Azure AI services, focusing on cloud integration and data privacy.

EARTech
Software Engineering Intern *02/2024 - 04/2024*

- Maintained automated CI/CD pipelines using Azure DevOps and GitHub Actions, streamlining the transition from local development to production environments.
- Orchestrated deployments across multi-cloud environments, utilizing Azure and AWS services to ensure high availability and system scalability.
- Automated infrastructure tasks and managed production environments, focusing on reducing deployment latency and improving server-side responsiveness.
- Improved code quality by 12% through collaborative debugging, refactoring, and enforcing strict version control standards using Git.

SKILLS

- **Programming Languages:** Python, TypeScript, JavaScript, HTML/CSS, Java
- **Frameworks & Libraries:** Django, Tailwind CSS, React.js, Bootstrap, Next.js, material UI, shadcn/ui, TanStack Query, Express.js, Nest.js
- **Tools/Other:** Git/GitHub, Figma, Wordpress, MySQL, UI/UX Design, PostgreSQL, Docker, CI/CD
- **Languages:** French, Arabic, Turkish, English

CERTIFICATIONS

- Harvard's CS50 Web Programming Python and JavaScript course
- Project Management Foundation: Teams and Requirements (from LinkedIn)
- Managing Project Stakeholders (from LinkedIn)

PROJECTS & OUTSIDE EXPERIENCE

Full-Stack Trivia Game With Advanced UX, Custom Boards & Gameplay Logic

- Built an interactive, rules-driven multiplayer trivia platform with configurable categories, dynamic question grids, team-based gameplay, and persistent match history.
- Designed modular gameplay mechanics (perks, scoring modifiers, difficulty-based points) within a robust state management architecture.
- Refined the frontend based on user feedback to improve interaction clarity and engagement, using shadcn/ui and Framer Motion for modern UI patterns and motion design.
- Optimized rendering and state management, achieving ~300% performance improvement while supporting scalable, concurrent user sessions.
- Deployed a production-ready system with secure media handling, persistent sessions, and optimized caching.
- Tech Stack:Next.js (React) • Django (python) • PostgreSQL • Redux Toolkit • Tailwind CSS • TypeScript • Cloudflare R2
- *Link to project*

CineMind – AI Movie Recommendation Platform

- Built a user-focused, accessible interface using modern UI primitives and animation libraries to enhance interaction quality.
- Implemented type-safe data fetching and caching strategies with TanStack Query to ensure performance under load
- Engineered a Retrieval-Augmented Generation (RAG) pipeline with intelligent LLM routing to deliver personalized recommendations.
- Deployed a scalable cloud architecture using Azure, Neon (PostgreSQL), and Vercel.
- Tech Stack: Next.js • Django(python) • PostgreSQL• Tailwind CSS• TypeScript • TMDB API• LLM Integration •TanStack Query•RAG Pipelines•Prompt Engineering
- *Link to project*

Subscription Management API

- Developed a secure RESTful API with JWT authentication for subscription and user management.
- Automated lifecycle email reminders using Upstash serverless workflows to drive retention.
- Implemented rate limiting and security controls to protect against abuse and denial-of-service attacks.
- Optimized data integrity and query performance using Mongoose schemas and relationships
- Designed structured schemas and relationships to ensure data consistency and performance
- Tech Stack: Node.js, Express.js, MongoDB, Mongoose, JWT, Upstash (Workflows), Arcjet.
- *Link to project*

Other Projects

- Additional projects and technical experiments available on GitHub and personal portfolio.
- *Link to project*