

CHADJAA SOFIANE

FULL STACK ENGINEER

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GitHub:

<https://github.com/chadjaa-sofiane>

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Portfolio:

<https://chadjaa-sfiane-portfolio.vercel.app>

PROFILE

Full Stack Engineer with 5+ years building web platforms and analytics tools. At DataMaster, rebuilt the frontend with React and Next.js — delivering dashboards that handle 10,000+ row datasets and bringing Core Web Vitals and WCAG compliance scores into the green across the platform.

EXPERIENCE

3S-Pay | FinTech — Real-time Payments Infrastructure

Jun 2024 – Present

Software Engineer

- Designed and delivered 200+ REST and GraphQL API endpoints using Node.js, Bun, and Express, supporting high-volume fintech transaction workflows.
- Built real-time communication infrastructure using Server-Sent Events, Socket.IO, and MQTT to connect and manage 1,000+ payment terminals.
- Integrated Keycloak and OAuth2/OIDC for identity and access management, and developed Java-based microservices handling high-throughput token validation across internal systems.
- Implemented Redis caching layers that reduced database load by 90% and cut API response times from 350ms to 45ms.
- Architected frontend features across an 8-engineer team using React, Next.js, Redux, Zustand, and React Query for efficient data fetching and state management.
- Automated infrastructure provisioning with Docker, Nginx, SSL/TLS configuration, and VPN setup, reducing server setup time to under 5 minutes.
- Built an internal Chrome extension that saved QA teams 50+ hours per month on manual testing workflows.
- Optimized Lighthouse scores and accessibility across production applications, achieving a 20% increase in user engagement.

DataMaster | Data Analytics SaaS

Feb 2024 – Feb 2025

Front-End Developer

- Built data dashboards capable of rendering and interacting with 10,000+ row datasets using React Table with row virtualization.
- Managed client-side state with Zustand and reduced average API round-trips by 40% through optimized caching strategies, across a 10+ person product team.
- Raised platform WCAG compliance and brought all Core Web Vitals scores into the green across major page routes.

Remote Clients · Europe & MENA

2020 – 2023

Full Stack Developer (Freelance)

- Delivered full-stack web applications for startups and small businesses using React, Vue.js, Node.js, and Django REST.
- Designed and shipped REST APIs backed by PostgreSQL and MongoDB, including third-party service integrations.
- Wrote unit and integration tests with Jest and React Testing Library, reducing regression rates and improving release stability.
- Collaborated with distributed teams using Git workflows, code reviews, and Agile development processes.

SKILLS

LANGUAGES	JavaScript · TypeScript · Python · Java · Rust
FRONTEND	React · Next.js · Redux · Zustand · Vue.js · Svelte · TailwindCSS · Framer Motion
BACKEND	Node.js · Express · Bun · Django REST · GraphQL · REST APIs · Socket.IO · Server-Sent Events · MQTT
DATABASES & CACHING	PostgreSQL · MySQL · MongoDB · Redis · Valkey · Firebase · SQL Server
DEVOPS & INFRASTRUCTURE	Docker · Docker Compose · Nginx · Linux · SSL/TLS · CI/CD · Shell Scripting · Reverse Proxies · VPN Setup
AI & DATA	TensorFlow · PyTorch · Scikit-Learn · Keras · SpaCy · OpenCV · Pandas · NumPy · Prompt Engineering
TOOLS & METHODOLOGIES	Git · GitHub · Agile/Scrum · Jest · React Testing Library · Code Reviews · OAuth2/OIDC · System Architecture

EDUCATION

Master's in Artificial Intelligence USTO-MB Focused on machine learning systems and scalable AI deployment.	2021 - 2023
Bachelor's in Computer Science USTO-MB Computer science fundamentals, algorithms, and software engineering.	2018 - 2021

PROJECTS

AI Job Search Agent Autonomous system that scans job platforms, filters opportunities, and assists with job applications using AI-driven filtering and ranking.
Real-Time Learning Platform Collaborative learning platform with live rooms, moderation roles, and multi-room real-time communication built with Socket.IO.

LANGUAGES

Arabic (NATIVE)	English (PROFESSIONAL)	French (BASIC)
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