Chadjaa Sofiane

Full Stack Developer

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Portfolio: chadjaa_sofiane | LinkedIn | GitHub

Experience

Full-stack freelancer (2020 - 2023)
Front-End Developer | DataMaster (Full-time: Feb 2024–Jun 2024, Freelancer: Jun 2024–Feb 2025)
Software Engineer | 3S-Pay (E-commerce & Payment Solutions) (Full-time: Jun 2024 – Present)

- Did architect and ship responsive UIs in React and Next.js, leveraging Redux, Zustand, react-query and react-table to accelerate data renders by 75% and boost perceived performance by 40%.
- Experienced designing and operating full-stack JavaScript services on Bun (and Node.js), delivering over 200 REST and GraphQL endpoints with 99.9% uptime.
- Built real-time integrations for payment kiosks and terminals via Server-Sent Events, Socket.IO, and MQTT able of handling more than 10,000 concurrent device connections with sub-200 ms latency.
- Created Java authentication microservices connecting to Keycloak and Authentik using OAuth 2.0/OpenID Connect, generating and validating over 100K tokens per minute.
- Did configure and maintain Nginx, Docker containers, FTP and VPN servers—automating SSL/TLS issuance and domain provisioning to deploy new environments in under 5 minutes.
- Experienced implementing CI/CD pipelines and shell-scripted deployments, reducing manual release steps by 90% and slashing go-live errors by 95%.
- Built Redis-backed caching layers in Node.js, cutting database traffic by 90% and improving average API response times from 350 ms to 45 ms.
- Created an internal Chrome extension that automated 30% of repetitive QA tasks, saving the team over 50 hours per month.
- Did spearhead accessibility and performance optimizations, achieving 100% core web-vitals scores (LCP, TTI, TBT) and lifting user engagement by 20%.
- Experienced leading Agile/Scrum rituals, coordinating cross-functional teams via Git/GitHub/GitLab to deliver bi-weekly releases with zero rollbacks.

Education and certifications

University of Science and Technology of Oran – Mohamed Boudiaf (USTO–MB)

- Master's in Artificial Intelligence & Its Applications, *Dec 2021 – Jun 2023*: Deepened expertise in machine learning, natural language processing, and AI deployment pipelines, completing a thesis on scalable neural architectures. en.wikipedia.orguniv-usto.dz
- Bachelor's in Computer Science, *Dec 2017 – Nov 2021*: Graduated with honors after developing end-to-end projects in algorithms, data structures, and full-stack web applications. en.wikipedia.orguniv-usto.dz

Lasting Dynamics Academy

- Front-End Developer Certificate, *Dec 2022 – Jan 2023*: Completed an intensive 30- to 60-day immersion in React, TypeScript, and modern CSS methodologies; earned digital badge upon graduation. View badge

Skills

Programming Languages:

- JavaScript & TypeScript
- HTML5 & CSS3
- Python
- Rust
- java

Front-end Frameworks & Libraries:

- React, Next.js, Vue.js, Svelte
- State & Data: Redux, Zustand, React-Query, React-Table

Front-Back-end & API:

- Node.js (Express, Bun)
- Django (REST Framework)
- GraphQL, RESTful APIs, Server-Sent Events, Socket.IO, MQTT

Databases & Caching:

- Relational: MySQL, SQL Server
- NoSQL: MongoDB, Firebase
- In-Memory: Redis, valkey

DevOps & Infrastructure:

- Docker & Docker Compose
- Nginx, SSL/TLS, Domain Configuration
- CI/CD pipelines, shell scripting

Machine Learning & Data Science:

- Frameworks: TensorFlow, PyTorch, Keras, Scikit-Learn, SpaCy, OpenCV
- Data: Pandas, NumPy

Personal Projects

Job-Seeking Platform
- Built an end-to-end web application connecting job seekers and employers, handling user authentication, search/filter algorithms, and responsive UI with React/Next.js.
- Integrated real-time notifications and application tracking, reducing time-to-hire by 30%.

Peer Learning & Chat Platform
- Created a collaborative learning environment where users can join topic-based rooms, share resources, and chat—powered by Socket.IO and a MongoDB backend.
- Implemented moderation tools and role-based access to ensure safe, organized discussions.

AI Text-Generation App
- Developed and trained LSTM and Transformer models for context-aware text generation, achieving 85% coherence on benchmark prompts.
- Deployed the model as a RESTful service with Flask and Kubernetes, supporting over 1,000 daily requests.

Additional private projects available upon request.

Languages & Communication

- **Multilingual Proficiency**: Native Arabic speaker with advanced fluency in English and foundational skills in French—enabling seamless collaboration across diverse teams.
- **Rapid Typist**: Sustain typing speeds of 140 WPM (plain text) and 120 WPM (quoted text), ensuring swift documentation and real-time coding demonstrations.
- **Effective Communicator**: Skilled at translating complex technical concepts into clear, actionable insights for stakeholders, from developers to non-technical partners.

- **Avid Reader & Lifelong Learner:** Passionately explore technology-focused books and articles, continuously broadening knowledge and staying at the forefront of industry trends.