

Mohamed Khodja

Frontend Engineer

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Passionate software developer with 5 years of frontend development experience, focusing on performant frontend applications, accessibility, design systems, and creating immersive digital experiences. A deadline-driven problem-solver.

TECHNICAL SKILLS

Web & Programming: JavaScript, TypeScript, NodeJS, Python
Frameworks : React, React Native, NextJS, ExpressJS, Flask
CSS & Preprocess.: CSS, Sass, vanilla-extract, Styled-components, Tailwind, GSAP
Testing: Vitest, Jest, Testing-library, Cypress, ax
Databases & Storage: MySQL, MongoDB, Prisma, AWS (S3, DynamoDB)
Cloud & Services: AWS (EC2, CloudFront), Vercel, PlanetScale, Firebase, Sentry, Data Dog, Segment
Tools: Git, GitHub Actions, Turborepo, Docker, Vite, Jira, Spline, Figma
Libraries: Redux, Zustand, React Query, RxJS, Loadash, Ramda, Storybook, ThreeJS, D3, ApexCharts

EXPERIENCE

Frontend Engineer June 2021 – Present
Pando Tech. Algiers

- Worked with cross-functional teams, including managers, designers, backend developers, to deliver Scrum-based features.
- Regularly led meetings to address technical decisions, prioritize tasks, and document the development cycle.
- Facilitated code reviews, pair programming, and mentoring sessions for interns and juniors to maintain high-quality code.
- Led the development of design systems, resulting in 10% reduction in design-related issues and 20% faster development time.
- Promoted web accessibility initiatives, following WCAG standards, to ensure inclusive UX and foster a culture of inclusion.
- Applied modern UI/UX principles and optimization techniques, resulting in a 35% increase in user retention over 12 weeks.
- Developed GraphQL and REST APIs via Apollo and Express, to deploy on AWS Lambda following industry best practices.
- Implemented proactive monitoring with Data Dog and Sentry, reducing critical errors by 10% and improving response time.
- Utilized GitHub Actions to create and deploy CI/CD pipelines for code on GitHub, which led to 15% faster build time.
- Enhanced code quality via different testing strategies, achieving 92% code coverage, and reducing bugs by 28% across projects.

Software Engineer Jan 2023 – July 2023
Taiba Food Company - Ramy Algiers

- Led frontend development for supply chain platform, applying modern UI/UX principles for an enhanced UX.
- Implemented a map feature for intuitive routing, enhancing the intensive data visualization platform.
- Collaborated closely with the backend team to integrate frontend components with Flask APIs and endpoints.
- Implemented genetic algorithms, and routing optimization, achieving 20% resource utilization improvement.
- Deployed the backend to an Azure instance ensuring scalability and reliability of the application in the cloud environment.
- Performed diverse testing strategies, ensuring high-quality code with 89% average code coverage using Jest and Cypress.

JavaScript Developer Feb 2019 – Nov 2020
Bear&Fork Algiers

- Worked with a dedicated development team of 7 under the agile framework, in a close collaboration with designers.
- Built Chrome Browser Extensions that improved internal teams productivity by 55%.
- Contributed to B2B e-Commerce projects and developed RESTful APIs using ExpressJS.
- Successfully maintained legacy code, by rewriting 20% of the code base which reduced bugs by 30%.
- Created websites for social media campaigns that led to 35% of users conversion.
- Actively participated in regular planning and brainstorming meetings.

EDUCATION

Computer Science Boumerdes University

Aug 2016 – June 2019

Topics: Algorithmics, Computer architecture, Databases, OOP, Networking, Calculus, Algebra, Probabilities, Physics

PROJECTS

Wojooh Agency - Web application | PHP, Laravel, TypeScript, React, MySQL, Docker

- Built the frontend applications with React, and implemented caching and optimization techniques for a smoother UX.
- Ensured an inclusive UX by following the WCAG standards.

Lughati - Web application | JavaScript, React, ExpressJS, MongoDB, Docker, WebRTC

- Contributed to the development of an e-learning platform powered by an AI model for a customized learning experience.
- Translated UI to reusable components with React, and served ExpressJS-based REST API.
- Implemented OAuth2 for user sign-in, created ChartJS dashboards, and reduced bugs by 35% through Sentry monitoring.

AWARDS & EXTRA

- **Tqochi** e-Commerce, Nominated African Startup of the year, *Rabat, Morocco* - December 2020
- **Local Hack Day** — *Algiers* - March 2018
- **HackOn** - 1st place — *Algiers* Nov.2017

LANGUAGES

English: Advanced | **French:** Bilingual | **Spanish:** Conversational | **Dutch:** Basic | **Arabic:** Native