

Mohamed Khodja

Frontend Engineer

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SUMMARY

Innovative frontend developer with 4 years of professional experience, fuelled by a passion for design systems, component libraries, and blazing-fast applications. Proficient in React’s ecosystem, committed to top-tier code quality, staying ahead of trends, and surpassing expectations. A problem-solving collaborator who thrives under deadlines, delivering results that leave a lasting impact.

And I believe that: *”Good code is like a love letter to the next developer who will maintain it.”*

TECHNICAL SKILLS

Web & Programming: HTML, JavaScript, TypeScript, NodeJS, Python
Frameworks : React, NextJS, GatsbyJS, ExpressJS, Flask
CSS & Preprocess.: CSS, Sass - styled-components, Tailwind, GSAP, Bootstrap
Testing: Jest, Testing-library, Cypress, Pa11y
Databases & Storage: PostgreSQL, MongoDB, Prisma, AWS S3
Cloud & Services: AWS, PlanetScale, Clerk, AtlasDB, Supabase
Tools: Git, GitHub Actions, Webpack, ESLint, Vite, Postman, Apollo, Figma
Libraries: Redux, Zustand, RxJS, Loadash, Ramda, Cheerio, Storybook

EXPERIENCE

Frontend Engineer

June 2021 – Present

Pando Tech.

Algiers

- Work in a start-up environment as part of an agile team to constantly deliver and maintain features.
- Implemented new design systems and component libraries with a 70% adoption rate across the organization, resulting in a 40% reduction in development time and improved consistency across 4 projects.
- Contribute to the design and implementation process of frontend architectures, and translated requirements into functional, stable, and reusable components.
- Led web accessibility initiatives ensuring WCAG compliance across products.
- Increased User Retention by 145% in 3 months, by implementing optimization techniques that reduced application load time by 84%, and enhanced overall UX using modern UI/UX principles.
- Collaborated closely with the backend team to develop GraphQL and REST APIs, using Apollo and ExpressJS, and deploy on AWS solutions.
- Utilized GitHub Actions to create and deploy CI/CD pipelines for code on GitHub, which led to 20% reduction in build time, by implementing optimized and parallelized workflows.
- Implemented different automated testing strategies using Jest, React Testing Library, and Cypress resulting in 30% decrease in critical bugs, enhanced code stability, and achieved an average code coverage of 92% across multiple frontend projects.

Software Engineer

Jan 2023 – July 2023

Taiba Food Company - Ramy

Algiers

- Acted as lead frontend developer for inventory management platform redesign handling architecture and coding for React based SPA.
- Built intuitive user interfaces using React, Zustand, Tailwind CSS, and applying modern UI/UX principles to enhance user’s experience.
- Collaborated closely with the backend team to integrate frontend components with Flask APIs and endpoints.
- Implemented the Clarke & Wright algorithm, genetic algorithms, and routing optimization algorithms, and achieved a 20% improvement in resource utilization through algorithmic optimizations.
- Deployed the backend to an Azure instance through a CI/CD pipeline using Git and GitHub Actions, ensuring scalability and reliability of the application in the cloud environment.
- Conducted multiple testing strategies and debugging to identify and fix issues, ensuring high-quality and bug-free code with an average code coverage of 89% using, PyTest, Jest, and Cypress.

FullStack 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 40% of the code base which reduced bugs by 70% and improved overall code quality.
- Created websites for social media campaigns that led to 35% of users conversion.
- Actively participated in regular planning and brainstorming meetings.

PROJECTS

Toothist - Web application | JavaScript, React, ExpressJS, styled-component, MongoDB, Docker

June 2022

- Developed a full-stack web application using ExpressJS serving a REST API and React as the frontend.
- Implemented OAuth2 for user sign-in, and created dashboards for data visualization using ChartJS, resulting in a 10% increase in active users.
- Used Sentry for monitoring performance and error tracking, which led to 100% of bugs fix.

Rezumeer - Web application | Typescript, React, Saas

March 2023

- Used Zustand for global state management, in combination with Formik for form management.
- Implemented WYSIWYG editor with Quill, and integrated Grammarly SDK for grammar and spell checking.

AWARDS & EXTRA

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

EDUCATION

Computer Science
Aug. 2018 – May 2021
Topics: Algorithmics & Data Structures, Computer architecture, Databases, OOP, Networking, Calculus, Algebra, Probabilities, Statistics, Physics,

Boumerdes, Boumerdes
Boumerdes University

LANGUAGES

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