

Mohamed Khodja

Sr. Frontend Engineer

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Passionate frontend engineer with 5+ years of professional experience, focusing on performant web applications, accessibility, design systems, and e2e product delivery.

TECHNICAL SKILLS

Web & Programming: JavaScript, TypeScript, NodeJS, Python
Frameworks : React, NextJS, ExpressJS, Flask
CSS & Preprocess.: CSS, Sass, Tailwind, vanilla-extract, styled-components, GSAP
Testing: Vitest, Jest, Testing-library, Cypress, ax
Databases & Storage: MySQL, MongoDB, Prisma, AWS (S3, DynamoDB)
Cloud & Services: GCP (Cloud Build, Cloud Run), AWS (EC2, MediaConvert, CloudFront), Terraform, Vercel, Segment
Monitoring & Logging: Grafana, AWS CloudWatch, Sentry, Data Dog
Tools: Git, GitHub Actions, Turborepo, Docker, Webpack, Vite, Jira, Figma
Libraries: Redux, Zustand, React Query, swr, Storybook, RxJS, Lodash, Ramda, D3, ApexCharts

EXPERIENCE

Software Engineer (Frontend)

Yassir, YARA

- Deliver and maintain features in a Scrum cross-functional team with EM, PO, devs, designers & QA
- Lead the development of the streaming web app, facilitate code reviews, and mentor juniors to maintain high-quality code.
- Design & implement scalable UI component library, define structure, create style guide, & integrate with existing codebase.
- Troubleshoot and resolve critical frontend bugs and performance issues impacting UX on the streaming platform.
- Developed a performant, adaptive streaming solution (HLS/DASH) for the video player, for consistent playback quality.
- Champion web accessibility initiatives by following WCAG standards, and fostering an inclusive UX for all viewers.
- Implement different monitoring strategies with Sentry to efficiently troubleshoot frontend performance issues.
- Ensure stable E2E features delivery by implementing CI/CD pipeline using Docker, Cloud Run and Cloud Build to automate testing, integration, and deployment.

March 2024 – Present

Paris - Hybrid

Frontend Engineer

Pando Tech., Fraudar

- Worked with cross-functional teams, including managers, designers, backend developers, to deliver Scrum-based features.
- Implemented A/B testing strategies by using features flags and customer segmentation to validate features prior release.
- 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.
- 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% coverage, and reducing bugs by 28% across projects.

July 2021 – Feb 2024

Algiers

Software Engineer

Taiba Company Food, Ramy

- Led the 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.

Jan 2021 – July 2021

Algiers

JavaScript Developer

Bear&Fork

- Worked with a dedicated development team under the agile framework, in a close collaboration with designers.
- Developed a custom product catalog management system and a secure order tracking system for a B2B e-commerce app.
- Improved customer satisfaction with order transparency by providing order status dashboards integrated with logistics API.
- Increased average order value by 15% through bulk ordering with real-time inventory visibility and personalized pricing.
- Utilized user tracking to optimize the product catalog and checkout process, leading to 40% increase in conversion rates.
- Built Chrome Browser Extensions that improved internal teams productivity by 55%.

Feb 2019 – Nov 2020

Algiers

EDUCATION

BSc. in Process Engineering

Aug 2016 – June 2019

Topics: Algorithmics, Computer architecture, Databases, Calculus, Algebra, Statistics, Probabilities, Physics

USTHB

PROJECTS

Wojoo Agency - Web application

| Python, Flask, 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.
- Implemented WYSIWYG editor, created ChartJS dashboards, and reduced bugs by 35% through Sentry monitoring.
- Translated UI to reusable components with React, and served ExpressJS-based REST API.

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: Proficient | **French:** Bilingual | **Spanish:** Conversational | **Arabic:** Native