

Youness Fkhach

Full-Stack Engineer | Ruby on Rails | React

 youness@fkhach.me

 [GitHub: YounessFkhach](https://github.com/YounessFkhach)

 [LinkedIn: youness-fkhach](https://www.linkedin.com/in/youness-fkhach)

 [Portfolio: fkhach.me](https://fkhach.me)

 +212 626 020 992

Summary

Product-focused software engineer with **8+ years of experience** specializing in **Ruby on Rails** and **React**. Skilled in developing scalable, efficient web applications and managing cloud infrastructure. Known for delivering innovative, user-focused solutions. Holds a **Master's degree in Computer Science**.

Professional Experience

Senior Full-Stack Engineer

RingTwice | Remote | 2025 - 2026

- Achieved a 500% performance improvement on critical API endpoints through targeted backend optimization.
- Modernized the application architecture by migrating legacy code to modern Ruby on Rails 8 standards.
- Integrated the Invopop platform to automate in-house invoice generation and streamline distribution via the Peppol network.
- Engineered a comprehensive internal QA tool that accelerates testing by instantly simulating complex user states (country, subscriptions, ratings, payments) through automated record creation and manipulation.
- Established fully automated end-to-end (E2E) testing for core user journeys to ensure reliability across critical flows.
- Built custom AI-driven workflows to automatically analyze bug tickets and fetch context from logging and monitoring tools, significantly reducing developer resolution time.
- Implemented automated AI code reviews to enforce project structure and coding standards across the engineering team.
- Developed and maintained end-to-end features across the entire stack, utilizing Ruby on Rails, React.js, and React Native.

Senior Full-Stack Engineer

Efalia Engage (formerly Fluicity) | Remote | 2018 – 2025

Achievements:

- Developed end-to-end solutions using **Ruby on Rails**, **React**, and modern Typescript.
- Migrated a legacy Rails-rendered app to a **Rails API** with a React frontend, in a gradual manner, enhancing performance and scalability.
- Implemented fast search features with **Algolia**, alongside customizable feeds and recommendations.
- Helps transform the product into a fully customizable SAAS (theming, pages, custom domains, custom fields, custom forms, custom logic ...)
- Pioneered the AI transformation by suggesting and implementing AI-powered solutions using **OpenAI** (Content moderation, Summarization, Report builder).
- Helped migrate the infrastructure from **Heroku** to **Qovery (AWS)**.
- Managed AWS infrastructure (EC2, S3, Lambda) and Dockerized CI/CD pipelines.
- Implemented a process for Identity and Residency validation using **PreventGo**.
- Integrated with **Typeform API** to help admins manage their external forms directly from the app's Dashboard.
- Built fully customizable email features (newsletters, email communications with reply-to features)
- Built an in-house, fully customizable Form builder (similar to Google Forms) with integrated fields, custom validation, visibility, and jump logic.
- Implemented Import functionalities to allow clients to import CSV, XLSX files of their offline data (Contributions, Votes).
- Implement fraud detection and deduplication logic for contributions and votes.
- Installed **Redash** as a service for internal Graphs and Data visualization.
- Ensure continuous monitoring and error reporting using **Appsignal**. And **Slack** integrations.

Full-Stack Engineer

Gemography | Remote | January 2018 – July 2018

- Built backend systems and administrative dashboards using **Node.js**, **Vue.js**, and **MongoDB**.
- Implemented proximity search using MongoDB **geospatial** features.
- Implemented customizable feeds based on interest and proximity.
- Email, Phone number, and SSO authentication.
- Phone number validation using **Twilio**.
- Developed scalable APIs and user-friendly interfaces.
- Maintained a fully documented API using **Swagger**
- Maintained clean, well-documented codebases.
- Configured and maintained the production environment on a **DigitalOcean** instance.

- Configured the **CI/CD** cycle using **Github actions** and **PM2** on a secured **VPS**.

Technical Skills

Programming Languages

Ruby (Ruby on Rails), JavaScript (React, Vue.js, Node.js), GraphQL, Java, PHP, C++, Lisp

Frameworks & Tools

Frontend: React, Vue.js, Next.js, Remix.js

Backend: Ruby on Rails, Express.js, Sails.js, AWS Lambda

Database: PostgreSQL, MySQL, MongoDB, Elasticsearch

DevOps: Docker, AWS (EC2, S3, Lambda), Linux server management

Specializations

Full-stack architecture for **server-side rendered applications**, AI and OpenAI/ChatGPT integration, scalable, secure web service development.

Education

- **Master's Degree in Computer Science**, Ibn Zohr University | Agadir, Morocco | 2016 – 2018
- **Bachelor's Degree in Software Engineering**, Ibn Zohr University | Agadir, Morocco | 2013 – 2016

Languages

- **English:** Fluent
- **Arabic:** Native
- **French:** Beginner

Notable Projects

- **Efalia Engage Migration:** Migrated a monolithic Rails-rendered app to a **Rails API** with a React frontend, improving performance and reducing technical debt.
- **AI Integration Solutions:** Designed and deployed AI features, including OpenAI API integrations, to enhance applications and automate workflows.
- **Custom Dashboards:** Built admin dashboards for **Gemography**, streamlining backend service management with Vue.js and Node.js.

