

JOÃO FORJA

Senior Frontend Engineer

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SUMMARY

Product-minded Senior Frontend Engineer with more than nine years of experience turning complex product problems into reliable, intuitive software. I combine frontend depth with product, design, and business judgment and enjoy building features end to end across the stack. Most recently, I owned all frontend implementation for Sherlock AI, building it from scratch while collaborating closely with a designer on UI/UX.

SKILLS

React • TypeScript • JavaScript • HTML • CSS • Next.js • Frontend Architecture • Product Engineering • Design Systems • Accessibility • Automated Testing • Node.js • Tailwind • PostgreSQL • AI Product Development

EXPERIENCE

Senior Full Stack Engineer Mar 2024 - May 2026

Sherlock Protocol

React • TypeScript • Next.js • Node.js • AI model integration • Prompting • Benchmarking • Web3

- Owned all frontend implementation for Sherlock AI, building it from scratch with Next.js in collaboration with a designer and delivering full-stack features across model integration, prompting, and benchmarking.
- Led the development of Sherlock's Auditor Portfolio, which aggregates findings from Web3 auditors across the leading audit platforms.
- Built Sherlock's real-time judging app, enabling Web3 contest judges to assess vulnerabilities as they were found and submitted.

Senior Software Engineer Mar 2023 - Aug 2023

Edgelabs UK

React Native • TypeScript • Video streaming • API design

- Developed a mobile client for a video streaming platform.
- Helped design an API to serve multiple video streaming clients.

Senior Full Stack Engineer Mar 2022 - Nov 2022

Synthesis

React • TypeScript • Node.js • Design systems

- Developed a portal for teachers to manage sessions with students.
- Led the development of a new frontend for the student portal.
- Steered the development of the company's design system.

Senior Frontend Engineer Apr 2021 - Dec 2021

Templafy | Eindhoven, North Brabant, Netherlands

React • TypeScript • Cypress • Design systems

- Worked on the design system team and built components for 50+ engineers.
- Developed a module to fetch data into React components, reducing product code and eliminating race conditions associated with data fetching.
- Built responsive layout components that made UIs more robust with less code.
- Introduced bug post-mortems to reduce defects and improve the code's architecture.

EXPERIENCE CONTINUED

Teaching Assistant — Advanced Software Design Web Course

Mar 2021 - Feb 2022

James Koppel | Remote

- Software design • Code review • Refactoring • Maintainability
- Supported students in James Koppel's Advanced Software Design Web Course through code review and technical guidance.
 - Helped students reason about software design tradeoffs, refactoring, and code maintainability.

Freelance Web Developer

Nov 2019 - Apr 2021

Freelancer / Self-employed

- React • Redux • JavaScript • HTML • CSS
- Worked as a web developer focused on building React web applications.
 - Started the frontend for a startup application in the pharmaceutical field.
 - Worked as a frontend developer in a B2B marketplace using React and Redux.
 - Helped manage projects by planning milestones and gathering requirements.

Business Consultant / Lead Software Engineer

Nov 2016 - Dec 2019

Challenge.IT, Lda

- React • TypeScript • Node.js • MongoDB • SQL • BDD
- Led tailor-made software projects from analysis to deployment using Agile principles.
 - Was involved in 10+ projects and took project leadership one year after joining.
 - Built integrations with clients' APIs.
 - Worked full-stack with React, TypeScript, Node.js, MongoDB, and SQL.

SELECTED PROJECTS

Sherlock AI

Frontend ownership and full-stack delivery

React • TypeScript • Next.js • Node.js • AI model integration • Prompting • Benchmarking • Web3 security • GitHub workflows

Owned all frontend implementation, building it from scratch with Next.js and TypeScript. Delivered end-to-end features across repository setup, analysis runs, findings review, code context, and remediation.

Excalidraw

Independent Open-Source Contributor

React • TypeScript • Canvas geometry • Interaction design • Rough.js • Testing

Shipped cursor-centered zoom across the canvas coordinate system. Reworked resizing for rectangles, diamonds, ellipses, and multi-point elements to behave consistently with tools such as Figma.

Templafy Platform

Senior Frontend Engineer

React • TypeScript • Cypress

Built responsive and accessible layout components for screen foundations. Developed UI components for Templafy's design system.

EDUCATION

ISEL - Instituto Superior De Engenharia De Lisboa