

# ALIX QUENTIN

- Senior Software Engineer -

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## Summary

Self-taught, passionate about technology since childhood, I now have **over six years of experience** in software engineering, with a specialization in **TypeScript, Node.js and React**.

I am currently looking to leverage my expertise through **freelance missions** with organizations working for **social or environmental causes** that share my values.

## Experience

### Senior Software Engineer

*Lalilo*

MAR 2021 – OCT 2025

- Contributed over 4 years to the development of an educational platform, helping build and improve adaptive learning algorithms, flexible exercise templates, and content authoring tools
- Worked with TypeScript, React, and Express to implement full-stack features while using PostgreSQL for efficient data management
- Assisted with maintaining cloud infrastructure by leveraging Kubernetes, Terraform, and Datadog monitoring tools
- Led software engineering recruitment efforts, starting with pair programming interviews before taking charge of candidate sourcing, role definition, and overall hiring management
- Migrated and maintained the API layer connecting our products to in-house speech recognition ML models using Python, Flask, and PostgreSQL
- Participated in the AI taskforce by evaluating potential applications of generative AI and text-to-speech technologies through testing and research
- Served as technical lead for a major tender proposal, addressing architecture requirements and technical specifications

### Fullstack Developer

*deliver.ee*

JUL 2019 – FEB 2021

- Bootstrapping and development, with the team, of a new project around planning and billing work shifts, currently in production, with Phoenix (Elixir), GraphQL and React.
- Bug fixes and feature development on a legacy project for managing deliveries with Rails, Grape (REST API), Ember and Vue.
- Take over and maintenance of an existing mobile application for delivery men (and women) with React Native.
- Rspec-Rails test suite optimisation to speed up continuous integration pipelines: 40min  $\Rightarrow$  5min.
- Complete makeover of a product for editing complex delivery pricing grids with Vue.
- Designing, modelling, and writing technical specs, in collaboration with Product Managers, for the evolution of a large legacy project.

### Office Receptionist

*Charlestown, Par-s-on Assistance, A-SC*

JUN 2013 – NOV 2017

## Skills

**Languages.** Expert in JavaScript/TypeScript. Professional experience with Ruby, Elixir, Python. Solid base in Go, Scala, Gleam, Rust, PHP.

**Backend.** Expert in Node (Express, Koa). Explorations with Bun/Deno. Mastery of MVC frameworks Rails and Phoenix, and Flask/FastAPI.

**Front.** Mastery of HTML/CSS. Expert in React, explorations with Next, Remix, Astro, React Native. Mastery of Vue, explorations with Solid, HTMX, Alpine.

**Databases.** Mastery of SQL databases, particularly PostgreSQL. At ease with Redis, MongoDB.

**DevOps.** Mastery of Docker, Kubernetes, and CI/CD tools like Github Actions or Circle CI. Experience with declarative infrastructure using Terraform and Terraform Cloud.

**Cloud.** Mastery of AWS ecosystem, knowledge of Cloudflare, Vercel, Netlify, Railway, Digital Ocean offerings.

**AI.** At ease with Claude Code, Copilot, Cursor. Good knowledge of the ecosystem, models, MCP servers, prompt engineering, API integrations.

## Diplomas

### Bachelor of Sociology & Anthropology

*Paris VII Diderot*

2015

### Certificate of Advanced English (CAE)

*Cambridge*

2012

## Languages

### English

Proficient

### French

Native

### Spanish

Basic