Aleix Alonso

hello@aleixalonso.com

 github | linkedin

Software engineer with 4+ years of experience building scalable, high-performance applications. Proficient in TypeScript, Node, React, and AWS, with a strong focus on test-driven development and cloud-native solutions. Passionate about solving complex problems and collaborating with teams to deliver impactful business results.

EDUCATION

Bachelor of Computer Science   Sep 2017 - Jun 2021

Pompeu Fabra University   *Barcelona, Spain*

SKILLS

Frontend	React | NextJS | Vue | TailwindCSS
Backend	Node | NestJS | Express | GraphQL | TypeScript | JavaScript
Databases	PostgreSQL | MongoDB | DynamoDB | Redis | ElasticSearch
DevOps	AWS | Docker | Apache Spark
Soft Skills	Team Management | Communication | Problem-Solving | Adaptability | Conflict Resolution

EXPERIENCE

Mitte   Jul 2023 - Present

Full-Stack Engineer   *Barcelona, Spain*

- Collaborated with the team to define the infrastructure and build independent microservices with their own PostgreSQL databases and scopes, following test-driven development.
- Implemented the core functionalities of each service using NestJS and TypeScript, and created a boilerplate for new services. Communicated with the databases using raw queries.
- Maintained the original frontend using React and developed a new frontend built with Vue and TailwindCSS. Utilized various frontend technologies like Echarts for data visualization.
- Integrated with third-party services as part of the core business model.

AdSecure (ExoGroup)   Sep 2022 - Jul 2023

Backend Engineer   *Barcelona, Spain*

- Worked on the Core API of the product, built with GraphQL and TypeScript, using microservices hosted on AWS. The main database was a NoSQL DynamoDB.
- Followed test-driven development using Jest and Mocha, and adhered to domain-driven design principles
- Maintained and developed new integrations with third-party providers.

Vonzu Tech   Jul 2020 - Sep 2022

Full-Stack Engineer   *Barcelona, Spain*

- Participated in the early to mid-stages of a startup, building software for last-mile delivery.
- Worked with different technologies, React and TypeScript in the frontend, and Node.js and Express in the back-end with a MongoDB database. Utilized technologies like ElasticSearch, AWS, Redis, and integrated various external APIs.
- Refactored the old frontend into a new version, built with React, TypeScript and Sass, following best practices and focusing on robustness.

NOTABLE PROJECTS

Studying eating disorders on Instagram   Jun 2021

Final Thesis Project   *Barcelona, Spain*

- For my Final Thesis Project, I collaborated with Ana Freire, the leader of the STOP Project, to build a web scraper that collects Instagram data for machine learning text analysis. The goal was to identify specific features of dangerous profiles that promote eating disorders.
- I used Python and Selenium to scrape the data and scikit-learn to process the text and define important metrics. I also built a prediction model based on the data.
- The paper can be found here.