Aleix Alonso

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RESUME

Senior Software Engineer with 5+ years of experience building scalable, event-driven systems in startup environments. Specialized in TypeScript, Node.js, and AWS. Proven track record of leading cross-service architecture, mentoring engineers, and delivering robust backend and frontend solutions. Passionate about writing clean and maintainable code, optimizing performance, and collaborating with teams to deliver high-quality software.

EDUCATION

Bachelor of Computer Science, Pompeu Fabra University   Sep 2017 - Jun 2021

SKILLS

Languages	Typescript, Javascript, Python
Backend	Node.js, NestJS, Express, GraphQL, ElasticSearch, Apache Spark
Frontend	React, NextJS, Vue, TailwindCSS
Databases	PostgreSQL, MongoDB, DynamoDB, Redis
Testing	Jest, Mocha, Cypress, Playwright
Infrastructure	AWS, Terraform, Docker
Soft Skills	Technical Leadership, Code Review, Mentoring, Collaboration, Communication

EXPERIENCE

Senior Full Stack Engineer   Jul 2023 - Present
Mitte   *Barcelona, Spain*

- Designed and implemented scalable, modular microservices using NestJS, TypeScript, and PostgreSQL with raw SQL, following test-driven development and maintaining a shared boilerplate for consistency.
- Rebuilt the frontend using Vue and TailwindCSS, integrating Echarts for analytics and implementing real-time updates via WebSockets.
- Integrated with third-party providers as part of the core business model.
- Took ownership of cross-service features, led technical decisions on architecture and service structure, and reviewed key code contributions to ensure consistency and scalability.

Backend Engineer   Sep 2022 - Jul 2023
AdSecure (ExoGroup)   *Barcelona, Spain*

- Built and maintained GraphQL microservices with AWS and DynamoDB, improving system scalability and reliability.
- Followed test-driven development using Jest and Mocha, and adhered to domain-driven design principles.
- Maintained and developed new integrations with third-party providers.

Full Stack Engineer   Jul 2020 - Sep 2022
Vonzu Tech   *Barcelona, Spain*

- Contributed across the stack using React, TypeScript, Node.js, Express, and MongoDB to build and scale logistics software from early-stage to production, also working with ElasticSearch, AWS, Redis, and external API integrations.
- Refactored and modernized legacy frontend into modular React + TypeScript app, improving maintainability and performance.
- Acted as technical reference for new joiners during the growth phase of the team, leading feature planning, reviewing PRs, and aligning delivery with product priorities.

PROJECTS

Studying eating disorders on Instagram. Built a Python-based Instagram scraper to support ML-based detection of harmful content related to eating disorders, in collaboration with the STOP Project. Applied Natural Language Processing and Machine Learning techniques (scikit-learn) to extract features and trained predictive models. The paper can be found here.