

# David Lozano Jarque

Full stack software engineer: from scratch to production

Passionate about bringing ideas to life through code, I've been developing software since elementary school. Starting as a hobby, then alternating between freelance work and in-house development roles. I'm driven by the goal of contributing meaningfully to impactful projects that improve users' lives. I value transparency, attention to detail, collaboration and pragmatic solutions that deliver real results

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## Experience

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### Software Engineer @ Self-employed

May 2023 → Present

Stepped away from full-time corporate roles to focus on in-depth technical knowledge. Explored topics such as deepening my Angular expertise, Semantic Release, creation and maintenance of JS libraries and JS/TS bundling optimizations. Complemented this technical growth with learning about team culture and engineering management, reading several key books on leadership and collaboration.

- Created an open-source library for managing site metadata (SEO, social sharing) publicly endorsed by an Angular Google Developer Expert
- Built a high-performance fashion stylist portfolio, leveraging images CDNs to optimize loading speed and achieve 95%+ scores in Core Web Vitals
- Contributed to open source through numerous pull requests, issue reports, and other public contributions: for example, by helping others in communities such as Discord, Reddit, and Stack Overflow

📦 Angular **ts** TypeScript 🔄 GitHub Actions 🌱 Cypress ⚡ Cloudflare Pages 📖 Material for MkDocs  
📦 semantic-release 🧪 Jest

### Senior Backend Engineer @ Vesto

Oct 2022 → Jul 2023

Backend: web APIs and background processing. Led, engineered and assisted many product features. Proposed and implemented a strategy to improve app stability by reducing error rates. Focused on enhancing observability to enable for data-driven decision-making. Optimized internal processes to reduce customer support workload

- Led initiative that reduced wallet synchronization issues from 69% to 6%
- Developed direct batch buy feature to allow purchasing multiple stocks at once
- Introduced 'Learning Fridays' to foster knowledge sharing within the engineering team

🔥 Ruby on Rails 🍷 Sidekiq 🗄 PostgreSQL Amazon RDS 🐳 Docker 🏗 Terraform 🌞 Redsys  
🔄 GitHub Actions

### Senior Software Engineer @ Koa Health

Oct 2020 → May 2022

Full stack: web APIs backend, web and mobile app. Joined to build the Mindset product within a small squad from the ground up. Led, developed and supported several of its features. Worked cross-functionally with product, design, QA, DevOps, cybersecurity, research and other products teams. Enhanced the company's design system library

- Joined as mid-level engineer; promoted to senior after first year's performance review

- Led development of key features such as in-app messaging between the web and mobile app, push notifications and guided audio exercises
- Two years later, the product was licensed for a €1M clinical trial with a major customer

 TypeScript  Node.js  PostgreSQL  Flutter  Angular  Docker  GitHub Actions

 Terraform

## Software Engineer @ Telefónica Alpha

Mar 2020 → Oct 2020

Belonged to the health moonshot unit, which later spun off into a standalone company. For more details on projects and responsibilities during this period, please refer to the Koa Health entry

## Software Engineer @ BTC Assessors

Jun 2018 → Dec 2019

Full stack: web apps and peer to peer / web API backends. Served as the lead software engineer across all company projects. Acted as blockchain/distributed ledger technologies (DLT) consultant and researcher. Served as a board member in a technical advisor role for a planned in-house cryptocurrency investment fund

## Software Engineer @ SEAT

Mar 2017 → Jun 2017

Coordinated integration of IBC Biomechanics software into SEAT's internal IT systems for use in their biomechanical laboratory at the CARS center, located within the Martorell headquarters

## IT Manager @ Meditrauma

Jan 2015 → Jun 2018

Managed IT systems and infrastructure across all three company branches. Responsible for systems administration and general IT consulting, ensuring smooth operation of hardware, software, and network resources

## Software Engineer @ IBC Biomechanics

Sep 2014 → Jun 2018

Developed a reporting application and several proof-of-concept apps for interfacing with biomechanical using Bluetooth. Also managed the IT systems of the company, supporting day-to-day operations

## Education

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### Master's degree - MISTIC (Cybersecurity) @ UOC

Sep 2017 → Sep 2018

Completed coursework with a 8.14/10 grade (3.38 over 4 GPA). Unfinished degree

### University degree - Computer Science @ UAB

Sep 2013 → Jun 2017

Graduated Cum laude with an 8.86 / 10 grade (3.85 over 4 GPA)

### High school - Science and Technology @ IES Mollet

Sep 2011 → Jun 2013

Graduated Cum laude with a 9.76 over 10 grade (3.96 over 4 GPA)

## Languages

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(es) Spanish Native (ca) Catalan Native (en) English Advanced

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This is a compact version of the resume. View the complete one at <https://davidlj95.com/resume/>

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