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

Software Engineer @ Open-sourcing & freelancing   *May 2023 → Present*

Took a planned break from corporate work to focus on deepening technical knowledge in areas previously limited by time constraints during full-time roles. Explored topics such as semantic release, in-depth Angular, JavaScript/Typescript bundling optimizations and the maintenance of open source (npm) libraries. Complemented technical growth with learning on team culture and engineering management, reading several key books on leadership and collaboration.

- Created an open-source library for Angular for managing meta tags: @davidlj95/ngx-meta
- Built a fashion stylist portfolio featuring optimized responsive images delivery
- Contributed to open source projects through many pull requests and issues. Plus other kinds of public contributions

△ Angular   TS TypeScript   GitHub Actions   CY Cypress   ⚡ Cloudflare Pages   Material for MkDocs   ○ Conventional Commits   semantic-release

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. Led, developed and supported several product 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 audio exercises and push notifications in the mobile app and messaging in both web and mobile apps for the Mindset product

- Developed and maintain many authZ/N features. Created a proof of concept for Single Sign-On (SSO) using AWS Cognito to federate with third-party identity providers

TS 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

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

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

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