David Lozano Jarque

Full stack software engineer: from scratch to production

Turning ideas into code is my passion: I've been developing software since I was in elementary school. First as a hobby, then as a freelance, and eventually in a company. Overall, my mission is to provide valuable contributions to great projects that can make a difference in their users' lifes

📞 +34 644 449 360   ✉ mail@davidlj95.com   🔗 https://davidlj95.com

◎ Mollet del Vallès, ES   ○ davidlj95   in davidlj95   🐦 davidlj95   ✍ davidlj95

🌐 Spanish (Native)   🌐 Catalan (Native)   🌐 English (Advanced)

Work

Vesto

Senior Software Engineer (as freelancer)

2022-10-10 - Present

Backend. Lead direct batch buy feature to buy multiple stocks at once. Lead robustness planning to improve the app stability, focusing on gaining observability to push for data-driven decisions and automating processes to reduce customer support workload

Koa Health (Telefónica Alpha)

Senior Software Engineer

2020-03-01 - 2022-06-07

Full stack. Started as mid. Promoted to senior in 1st year's performance review. Owned several features implementations. Aligned with product, design, QA, DevOps, cybersec, research & other products' engineering teams. Lead & participated in squad's processes improvements

BTC Assessors

Full stack software engineer & DLT consultant

2018-06-01 - 2019-12-31

Lead software engineer for all company's projects. Blockchain / DLT consultant and researcher. Board member of the company's own cryptocurrency investment fund as technical advisor

SEAT

Software Developer (freelance in internship)

2017-03-13 - 2017-06-19

Integration and adaptation of the IBC Biomechanics software within SEAT IT Systems for its internal biomechanical laboratory in the CARS center in the Martorell headquarters

Meditrauma

IT Manager (as outsourced freelance)

2015-01-15 - 2018-06-01

Outsourced IT Systems and infrastructure accountable of the three company headquarters, performing typical systems administration tasks and IT consultancy

IBC Biomechanics

Software Engineer & IT Manager (as freelance)

2014-09-15 - 2018-06-01

Developed a biomechanics report generator app that takes user-designed templates and merges data from a collection of third-party applications to generate reports

Education

UOC

Master's degree

MISTIC (Cibersecurity)

📅 2017-09-20 - 2018-09-20

★ Avg: 8.14/10, (3.38/4 GPA). Unfinished

UAB

University degree

Computer Science Engineering

📅 2013-09-13 - 2017-06-20

★ Cum laude, Avg: 8.86/10 (3.85/4 GPA)

Projects

Vesto

For Vesto

2022-10-10 - Present

- Senior software engineer
- Backend

Mobile app to introduce users to the world of financial investments. Allows to easily invest in US stock market with credit card or bizum. Focused for Spanish market. Worked on the backend side

Ruby on Rails 6   Sidekiq   REST API

OpenAPI   RSpec   PostgreSQL

Redis   Docker   GitHub Actions

Terraform

AWS (EC2, ECS, RDS, ELB, ElastiCache)

RedSys   New Relic   Slack

Mindset

For Koa Health / Telefónica Alpha

2020-03-01 - 2022-06-07

- Senior software engineer
- Full stack

Mobile app for patients to treat depression using Cognitive Behavioral Therapy (CBT) exercises. Web app for therapists to track patients' progress

Flutter 1 & 2   Typescript   Node.js

Express   REST API   OpenAPI

Jest   PostgreSQL   Docker

GitHub Actions   Terraform

AWS (EKS, ALB, RDS, API Gateway, Cognito)

Datadog

Cowstamp

CowStamp

For BTC Assessors

2019-07-29 - 2019-12-17

- Lead software engineer
- Full stack developer

Web SaaS app to create, issue and receive verifiable credentials digitally signed using blockchain technologies with a user-centric design. Uses a custom ad hoc library to canonize JSON-LD graphs

Angular 8   Typescript   PWA

REST API   OpenAPI   Spring Boot

Kotlin   Apache JMeter   JUnit 4

Liquibase   MongoDB   PostgreSQL

Gradle   JHipster   Docker   Heroku

GitLab CI/CD   Linux   Blockchain

Blockcerts   JSON-LD

Agile methodologies

Kowbucha

For BTC Assessors

2019-11-14 - 2019-12-17

- Lead software engineer
- Frontend developer

Web app to allow an independent verification of Blockcerts verifiable credentials based upon users' trust decisions. Uses a companion NodeJS & browser Javascript library created ad hoc to perform the verifications.

Material Design   Angular 8

Typescript   PWA   Redux   Karma

Jasmine   Jest   Node.js   Rollup.js

npm   GitLab CI/CD   Karma

Jasmine   GitLab Pages   Blockchain

Bitcoin   Ethereum   Blockcerts

JSON-LD   Agile methodologies

NodeCenter
For BTC Assessors
2019-01-15 - 2019-09-10

- Software engineer
- Full stack developer

Application to manage blockchain / DLT nodes deployments in few clicks with an easy to use web interface, based on an Open API documented REST API exposed by a companion app daemon

Docker REST API OpenAPI

Python 3.7 Flask Angular 8

Typescript GitLab CI/CD

Bitcoin Framework
For BTC Assessors & UAB
2017-07-04 - 2018-12-03

- Software engineer
- Library maintainer

Python Bitcoin framework to create transactions with smart contracts (scripts) based on puzzle-friendliness and OOP

Bitcoin Cryptography Python 3.6

Unittest Sphinx ReadTheDocs

TravisCI GitLab CI/CD PyPi

IBC Report Generator
For IBC Biomechanics
2015-09-25 - 2018-02-17

- Lead software engineer
- Full stack developer

Desktop application to generate biomechanics reports out of data extracted from third party applications and devices using user-created report templates

Anaconda Python 2.7 Python 3.4

PyQt 4 PyQt 5 SQL Alchemy

Maria DB Docker

Police Translator
For ISPC
2014-06-27 - 2015-11-18

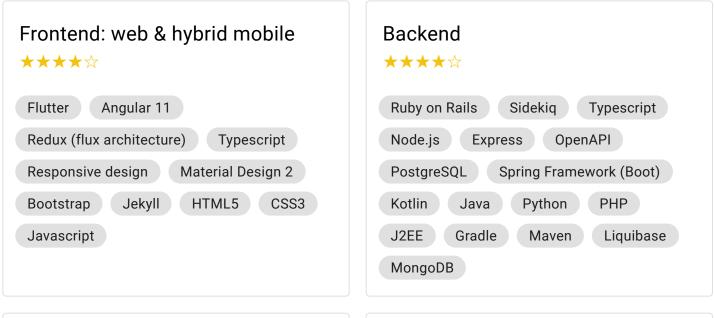- Software engineer
- Full stack developer

Hybrid mobile application with a collection of useful phrases for police officers translated from/to English to/from Catalan, with audio pronounciations and that fully works offline. Web application to manage all content and their translations
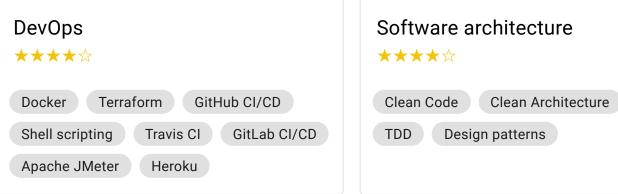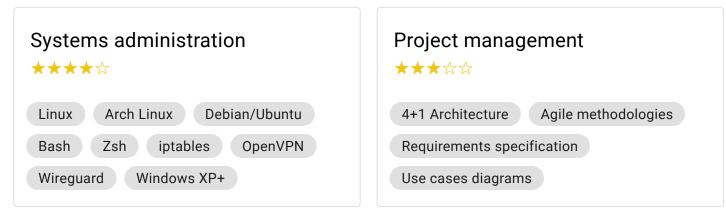
Linux PHP 5 MySQL jQuery

Apache Cordova HTML4 CSS2

JavaScript

Skills

Frontend: web & hybrid mobile
★★★★☆

Flutter Angular 11

Redux (flux architecture) Typescript

Responsive design Material Design 2

Bootstrap Jekyll HTML5 CSS3

Javascript

Backend
★★★★☆

Ruby on Rails Sidekiq Typescript

Node.js Express OpenAPI

PostgreSQL Spring Framework (Boot)

Kotlin Java Python PHP

J2EE Gradle Maven Liquibase

MongoDB

DevOps
★★★★☆

Docker Terraform GitHub CI/CD

Shell scripting Travis CI GitLab CI/CD

Apache JMeter Heroku

Software architecture
★★★★☆

Clean Code Clean Architecture DDD

TDD Design patterns

Systems administration
★★★★☆

Linux Arch Linux Debian/Ubuntu

Bash Zsh iptables OpenVPN

Wireguard Windows XP+

Project management
★★★☆☆

4+1 Architecture Agile methodologies

Requirements specification

Use cases diagrams

Full version available online at https://resume.davidlj95.com