∠ Let's be environmentally friendly: please avoid printing this document



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



Work

BTC Assessors

Full stack software engineer & DLT consultant 2018-06-01 - Present

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

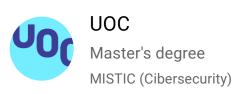
Outsourced IT Systems and infrastructure accountable of the three company headquarters, performing typical systems administration tasks and IT consultancy

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



- ★ Avg: 8.14/10, (3.38/4 GPA)

UAB

UAB

University degree

Computer Science Engineering

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

Projects

Cowstamp

CowStamp

For BTC Assessors 2019-07-29 - Present

- 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



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.





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

‡itcoin C Framework

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



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





Police Translator

For ISPC

2014-06-27 - 2015-11-18

- Software engineer
- Full stack developer

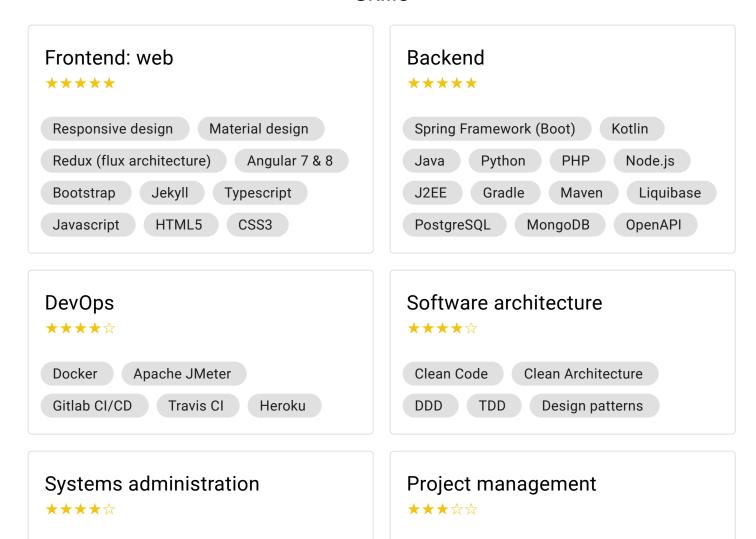
Hybrid mobile application with a collection of useful phrases for police officers translated from/to English to/from Catalan, with audio pronounciations and that fully works offline. Web application to manage all content and their translations

Linux PHP 5 MySQL jQuery

Apache Cordova HTML4 CSS2

JavaScript

Skills



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

4+1 Architecture

Use cases diagrams

Requirements specification

Agile methodologies

Linux

Bash

Wireguard

Arch Linux

Zsh

iptables

Windows XP+

Debian/Ubuntu

OpenVPN