ALBERTO SILVA CAZARES

Computer Systems Engineer

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🔗 alberto silva   ⭘ alberto-sc   💬 MCER B2+

ABOUT

I am a software engineer with skill set in software development, with a preference for backend development. My expertise lies in tackling intricate challenges that demand optimization, algorithm development, and complex problem solving. I am deeply passionate about embracing a DevOps mindset and cultivating a culture centered around it.

RELEVANT EXPERIENCE/PROJECTS

Dochain   2022

🔗 dochain.vercel.app   ⭘ https://github.com/Dochain1

Develop of a DAPP that allow you to store private and shareable files in blockchain (Work in backend)

- Blockchain and smart contract as backend
- Development of graphql server that works as a hub for many services
- Use of The graph protocol to index blockchain data

`Node js` `GraphQL` `Truffle suite` `The graph protocol`

Safemessenger   2021

🔗 Safemessenger.xyz   (main service down because cost)

Degree project, creation of an artificial intelligence to classify text

- Use of convolutional neural networks
- Use of web sockets to real time messages
- Creation of a messaging service using react js

`Node js` `React js` `Socket io` `Tensorflow` `flask` `nginx`

Freelance   2021

Development of internal web application to manage employees' finances

- Creation of CRUD dashboard to manage employee information
- Deployment in a private and secure environment.
- Creation of reports in pdf form ready for printing

`HTML` `CSS` `Python` `Django` `SQL`

Conway game of life web implementation   2020

⭘ https://github.com/alberto-sc/Game-Of-life

Implementation of the famous Conway's game of life

- A partial implementation of the algorithm hashlife to get space optimization with infinite canvas
- Develpment of a datastructure quadtree to improve performance
- Use of D3 js for visualization of large set of data

`Javascript` `HTML canvas` `D3 js`

Competitive reference   since 2020

⭘ https://github.com/Alberto-SC/Reference

A collection of several algorithms usefull for competitive programming and solutions of many programming challenges/contest

- More than 2000+ solutions to programming challenges
- More than 20+ ICPC contest included regional finals of many countries

`C++` `python` `Latex` `React` `Next js`

EDUCATION

Bachelor's degree in Computer Systems

Escuela superior de cómputo

📅 2017 - 2023

Ethereum developer programm

Platzi - Ethereum foundation

📅 May 2022 - October 2022

Online education

Platzi, Udemy, Freecodecamp,Coursera

📅 2020 - Ongoing

TECHNICAL SKILLS

Development

`Javascript` `Typescript` `HTML & CSS` `React` `Node` `Next js` `SQL` `python` `Django` `scikit-learn` `git` `JSON` `Chai`

DevOps related

`Linux` `Docker` `Kubernetes` `Terraform` `Jenkins` `GCP skillbost profile`

Cloud

`Aws` `Azure` `AZ-900 certified` `GCP` `Digital ocean`

PROGRAMMING LANGUAGES

Javascript
3+ years — Mainly for Fullstack development

Python
4+ years — intermeditate in data science and competitive programming,also some knowledge in web frameworks (django,flask)

C++
6+ years — Mainly for competitive programming

Latex
3+ years — To create documents, like this resume template and educational material

AWARDS AND ACTIVITIES

🏆 ICPC contestant
Participant of grant prize of México 2022/23 finishing in 13th place of 200+ teams, and also participant in 2021,2020,2019 & 2018, for the other years see ICPC ID

</> Competitive programmer
As part of my training for the ICPC contest, but also as a hobby usually I participate in most of the most famous competitive platforms like (Codeforces , CodeChef , LeetCode) being part of the top 1% worldwide in some of them, being my best place in the top 0.2% on leetcode with more than 500k users Other rankings

🖥 Teacher
As a contribution to the community I was a teacher on topics related to competitive programming such as advanced data structures, string algorithms and binary search. in order to offer high quality preparation to attend to the ICPC competition and find a place in the regional finals, I also used to publish detailed solutions to algorithmic challenges at LeetCode.