



Jose Alejandro Concepcion Alvarez

Full Stack Developer | Software Engineer | JavaScript | Python | Java

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📄 SUMMARY

I am a Full Stack Developer with a degree in Automation Engineering and Mechatronics and four years of experience as a software developer. My expertise lies in JavaScript, Python, and Java, and I have extensive experience in web and mobile development. My frontend development skills include Angular, React, and Vue2, while my backend skills include developing REST APIs using NodeJS, Flask, and Django, along with databases like MySQL, PostgreSQL, and MongoDB. I have also worked with serverless functions on Amazon Web Services. I am passionate about technology and always eager to learn more.

</> PROGRAMMING LANGUAGES

JavaScript

Python

TypeScript

Java

C++

📁 PROFESSIONAL EXPERIENCE

11/2021 – present
L'Aquila, Italy

Computer Science Ph.D. student

GSSI [🔗](#)

I have worked on projects related to robotics, IoT systems, and algorithms:

- The development of a two-wheel self-balancing robot with a mobile app to control it. [🔗](#) (techs: C++, Arduino, ReactJs, Python, Ionic)
- The development of a microservice for waste image classification and materials label extractions. [🔗](#) (techs: Python, VueJS, Flask, Keras)
- The development of a file browsing application for Linux that uses a multithreaded BFS algorithm. [🔗](#) (techs: NodeJs, ReactJs, ElectronJs)
- The dev. of a web app for modeling basic reference architectures and software architectures. [🔗](#) (techs: JavaScript, Angular)

05/2021 – 11/2021
Remote

React Developer

BOOZ.cl [🔗](#)

Development and maintenance of an eCommerce platform for the sale of beverages. Working with NextJs framework, React components development using Redux, React hooks, and Tailwindcss.

01/2021 – 05/2021
Remote

JavaScript Developer

Alegria [🔗](#)

Development of microservices using AWS. Creation of lambda functions on NodeJs and Python environment.

Development of integration with AWS services like S3, Aurora RDS, and Cognito.

09/2018 – 01/2021
La Habana, Cuba

Full Stack Developer

Guajiritos [↗](#)

Frontend development and backend development using JavaScript frameworks.

- Development of a streaming web application based on Netflix design [↗](#) (techs: Node.js, Angular, MySQL).
- Development of an ecommerce system with B2B and B2C business models for the Mercedes Benz agency in Cuba [↗](#) (techs: Node.js, Angular, MySQL, MongoDB, Ionic).
- Development of hotel and events management system for HavanaturSA [↗](#) (techs: Node.js, Angular, Vue.js, MySQL).

EDUCATION

11/2021 – present
L'Aquila, Italy

Ph.D in Computer Science

Gran Sasso Science Institute [↗](#)

2014 – 2019
La Habana, Cuba

Bachelor in Automation Engineering (single-cycle 5 years)

Technological University of Havana (CUJAE) [↗](#)

CERTIFICATES

- Problem Solving Certificate (HackerRank) [↗](#)
- Front End Libraries (freeCodeCamp) [↗](#)
- FrontendExpert Certificate (algoexpert.io) [↗](#)
- Angular Certificate (HackerRank) [↗](#)
- APIs and Microservices (freeCodeCamp) [↗](#)
- Scientific Computing with Python (freeCodeCamp) [↗](#)
- Machine Learning (freeCodeCamp) [↗](#)
- JavaScript Algorithms and Data Structures (freeCodeCamp) [↗](#)
- AlgoExpert Certificate (algoexpert.io) [↗](#)
- Node.js (HackerRank) [↗](#)
- React Certificate (HackerRank) [↗](#)
- SQL Certificate (HackerRank) [↗](#)
- Data Analysis with Python (freeCodeCamp) [↗](#)
- Rest API Certificate (HackerRank) [↗](#)

SKILLS

Frameworks: (Angular, Vue.js, React.js, Node.js, Next.js, Electron, Flask, Django, Pandas)

Databases: (MySQL, MongoDB, PostgreSQL)

Mobile Frameworks: (Ionic, AppSheet)

Version Control Systems: (Git)

Operating systems: (Linux, Windows, IOS)

AWS (Serverless Api Gateway, Lambda functions, S3, RDS)

Embedded systems (Raspberry Pi, Arduino)

SOME SIDE PROJECTS

Linux Search Everything

linux application: .deb, .rpm, .zip

It is a faster and more flexible file browser for Linux. It offers rich capabilities such as case sensitivity, regular expression-based search, search by selecting multiple file types, control of the algorithm's depth, and more.

ngp-image-picker

npm package

Angular library for selecting, editing and compressing images in the web browser. You can apply filters, change formats, resize and compress the image.

parallelizer-function

npm package

An npm package for running JavaScript functions in a different Thread. This implementation uses the Worker API. It works for both browsers and NodeJs. Based on the run environment, it uses the Nodejs build-in library "worker_threads" or the default Worker class in case of a browser environment.

synchronization-mutex-js

npm package

A useful package for dealing with synchronization problems in JS, such as concurrency and race conditions. The synchronization-mutex-js package provides a Mutex class. A Mutex (short for mutual exclusion) is a synchronization mechanism used to coordinate access to shared resources.

react-image-picker-editor

npm package

React library for selecting, editing and compressing images in the web browser. You can apply filters, change formats, resize and compress the image.

LANGUAGES

Spanish



English



Italian

