DIEGO ALARCÓN

SOFTWARE ENGINEER

SUMMARY

A Software Engineer with the following technical proficiencies: C/Python/Javascript languages, Django, Flask, SQLAlchemy, Next.js, Node.js, SQL, GIT/Github, AWS services, among others. I'm a fast learner and I'm always looking forward to improving the quality of my code.

LANGUAGES

- English
  C2 Proficient
  EF SET Certificate
- Spanish
  Native

MY SKILLS

- Python / C / Javascript
- Databases
- GIT/GITHUB
- Flask
- Django
- Node.js
- React
- AWS

INTERESTS

- Machine Learning
- Data Science
- Backend Development
- Cloud Services

EDUCATION

Software Engineering
Holberton School

Production and quality engineer
Politécnico Jaime Isaza Cadavid

Electronics
Tecnológico de Colombia

HOW TO CONTACT ME

Location: Medellín, Antioquia, Colombia
Phone: 311-745-2047
Email: alarkondiego@gmail.com
Github: DiegoAlar
LinkedIn profile: ClickMe

PROJECTS

iMagic

Recommendation system using deep learning technology to retrieve relevant courses given an uploaded image by an user.

Technologies Used: Django, Next.js, AWS services, ElasticSearch, React

- infrastructure design and database design (ORM)
- Automation of AWS APIs requests to upload data into the database.
- Backend (Django), Frontend (Next.js/React)
- Elasticsearch usage for the search engine.
- Training of deep neural model (AWS Custom Labels) to retrieve recommended classes.

AirBnB Clone

Creation of a clone of the Airbnb web application.

Technologies Used: Flask, SQLAlchemy, MySQL, Jinja, JS

- Creation of console for management of several classes needed to create an AirBnB clone. It can create, destroy, serialize/deserialize objects and save in JSON.
- Creation of ORM using SQLAlchemy
- Creation of database using MySQL
- Creation of web framework with Flask
- Creation of RESTful API

Simple Shell

Creation of a personal version of the shell that comes by default in Linux systems (bash). Made on C (syscalls, standard I/O, child processes, signals and interrupts).

RELEVANT EXPERIENCE

Software Engineer

SkillShare. | Jun 2020 - Jul 2020

I developed an MVP in which deep learning was used to recognize images and recommend relevant classes related to the uploaded picture.

Software Engineer Student

Holberton School. | September 2019 - June 2020

Project-based curriculum set by leaders in the industry where I developed the following projects:

- Airbnb-clone: Creation of a clone of the Airbnb web application.
- Storage Engine for Web Applications (Python | Flask framework).
- Monty Interpreter: the creation of an interpreter language to handle stacks and queues (LIFO and FIFO). Made on C.
- Shell: Creation of a personal version of the shell that comes by default in Linux systems (bash). Made on C.
- Printf: Creation of a personal version of the printf function included in the C standard library. Made on C.

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LANGUAGES

- English
Reading: Proficient
Writing: Proficient
Speaking: Proficient

- Spanish
Native

MY SKILLS

- Python / C / Javascript
- Databases
- GIT/GITHUB
- Node.js
- Flask
- React
- Django
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Company Owner
PROY3D. | Dec 2017 - Aug 2019

3D printing prototypes for companies in the manufacturing sector, especially cosmetic containers producers and the bottling industry.

- CAD modeling
- Dealing directly with clients
- Negotiation
- Usage of the 3D printing machines
- Contacting potential clients

Bilingual Customer Service Advocate
Fitbit (OneLink BPO). | Jan 2016 - Dec 2017

- Troubleshoot of syncing issues between the Fitbit app (IOS / Android and Desktop)and the trackers with clients.
- Tracking of products with carriers (FedEx, UPS) when lost in transit.
- Issuance of refunds when applicable.
- Compliance of the most important metric for the customer service area, CSAT's which is the metric used to measure customer satisfaction.

Engineer Intern
Gonvarryi Industries. | Jul 2014 - Jan 2015

- Performing tasks related to Lean Manufacturing.
- Coordination of quality and production activities with operators.
- Documentation and standardization of processes.
- Cost calculation of products based on each stage of the production process.

Machine Operator
Noel S.A.S. | Apr 2012 - Nov 2012

-Use and maintenance of production machines.
- Following of best practices related to lean manufacturing.
- Quality assurance of the product in different areas of the process.

Machine Operator
Conconcreto (Durapanel). | Jan 2007 - Feb 2012

- Use and maintenance of industrial machines.
- Supervising and assurance that the product accomplishes all the quality parameters.
- Tracking of metrics in various stages of the production process.

Operator
Haceb. | Jun 2006 - Jan 2007

- Welder in the stove area.
- Quality assurance in the stove area related to welding.
- Support in the conveyor belt