Luis Rodriguez

Electronic Engineer | Software developer | Programmer Python/Node Js

As an electronic engineer with a background in programming and software development, I have a strong foundation in web development. My skills have been honed through training in frameworks such as Express and Django, and I am always eager to learn and stay up to date on the latest technologies. My experience working with Git make me a team player with excellent communication skills and thrive in collaborative and dynamic environments. I have a passion for innovation and am constantly seeking out new challenges and opportunities for growth. I am confident in my ability to make a valuable contribution to any organization.

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EDUCATION

BSc in Electronic Engineering
Universidad Simón Bolivar

09/2011 - 03/2018   *Caracas, Venezuela*

Thesis
- Design and Implementation of a myoelectric interface for controlling a vehicle

EXPERIENCE

Django Developer
Freelance

01/2023 - 02/2023   *Lara-Venezuela*

Achievements/Tasks
- I designed and developed a web application for order management from scratch using Python and the Django framework, which included a SQLite database and an attractive and user-friendly user interface with HTML and CSS.
- I implemented data validation and form processing using Django Forms, which ensured the integrity of the data stored in the database and improved the user experience.
- I implemented user authentication and authorization using the Django security library, which improved the security of the application and protected sensitive data.
- I continued learning and improving my skills in Python and Django through online courses and participation in forums and online communities.

University Professor
Universidad Experimental de Lara Martin Luther King

08/2022 - Present

Achievements/Tasks
- Productive leadership.
- Complex thinking.
- Introduction to Microcontrollers.

Engineer
Multiplank

01/2019 - 01/2023

Achievements/Tasks
- Performance indicators of the company. Fuel consumption of the transport units was reduced, through an evaluation of the average consumption per kilometer of each unit in a Dashboard in Excel.
- I worked as part of the engineering team and was responsible for expense control on our projects. My job involved keeping a detailed record of costs associated with materials, labor, equipment, and supplies used on each project, as well as evaluating indirect costs.
- We were able to maximize profitability of our engineering projects and improve the overall efficiency of our company.
- Purchases in the Engineering team.

SKILLS

Docker | Node js, Express and MongoDB | API RESTful | HTML/CCS | Python | Django | Git | Testing (unit test) | MySQL/PostgreSQL | Matlab

COURSES

Server-side Development with NodeJS, Express and MongoDB (10/2022)
an online non-credit course authorized by The Hong Kong University of Science and Technology and offered through Coursera

Django (12/2022)
Initial concepts to develop the backend of an application website that counts votes for various categories with this framework

Curso de Backend con Node.js: API REST con Express.js (11/2022)
Development of REST APIs for the creation of services in the Back-end

Node.js course: Database with MongoDB and WebSockets (10/2022)
Development of a server implementing the logic of a chat with scalable architecture using Express, MongoDB and Mongoose

Advance Learning Algorithm (09/2022)
Algorithms in python on Linear Regressions, Neural Networks and decision trees

Improvement of Deep Neural Networks (11/2019)
Bias–variance tradeoff

Neural Networks and Deep Learning (10/2019)
First course of the Specialization in Neural Networks in Python, coursera

Machine Learning (09/2019)
Programming course in Matlab of Machine Learning of the Stanford University on Coursera

LANGUAGES

English
Full Professional Proficiency

Español
Native or Bilingual Proficiency