Juan Pablo Peñaloza

Electronic Engineer and Junior Backend Developer

About Me

I'm an electronic engineer with strong knowledge in Python, and front-end and back-end development languages as Django, Flask, Python (Pandas, Numpy, Matplotlib, TensorFlow), React.js, MySQL and Node JS. I consider myself as a fast learner, with a wide experience on problem solving, always doing the best to get to the optimal solution for any situation. Moreover, from my experience as a researcher I am able to work in multidisciplinary teams on a wide variety of topics.

Personal Information

Date of birth: 10/1997

City: Villa Mercedes, San Luis. Argentina

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Phone number: +549 2657 – 543515

LinkedIn: https://www.linkedin.com/in/jp-pe

GitHub: https://github.com/juanpp97

Skills

- **React.js (1 year of experience)**
- **Python (2 years of experience)**
- **Django (1 year of experience)**
- **Flask (1 year of experience)**
- **HTML, CSS (2 years of experience)**
- **JavaScript (2 years of experience)**
- **GIT and GitHub (1 years of experience)**

Native Spanish Speaker

Advanced level of English (B2+ of the MCER)

Education

PhD on Electronic Engineering (in course). Universidad Nacional de Rio Cuarto.
2023-Present

Django. *Codo a Codo 4.0.*
2023

Python Full-Stack developer. *Codo a Codo 4.0.*
2023

Bachelor of Electronics Engineering. Universidad Nacional de San Luis.
2016-2023

Experience

Universidad Nacional de San Luis. Facultad de Ingeniería y Ciencias Agropecuarias — Professor of *Digital Signal Processing and Digital Electronics*
Responsibilities: Programming of ARM Cortex based microcontrollers – Signal and Image processing using Python
2023 - Present

Projects

Remote Laboratory for Universidad Nacional de San Luis (On Development). – *Programming a web app under REST API architecture using Flask and JWT. Programming the petitions to the API from the frontend.*
Technologies used*: JavaScript, React JS, Flask.
Tasks: *Designing the web app architecture. Creation of the required endpoints using JWT access tokens for user authentication with session expiration time. Consumption of the REST API using React JS. Programming prediction graphs for user prediction using JavaScript and React.*

Study Forum. – *Design and programming a web app of a fictitious forum.*
Technologies used*: HTML, CSS, JavaScript, Django.
Tasks: *Designing the database EER, programming both frontend and backend, including user authentication with profile customization, managing rooms and comments.*

Projects

Django Suites Hotel. – *Designing and programming a site for a fictitious hotel.*
Technologies used: HTML, CSS, JavaScript, Django.
Tasks: *Designing the database EER, programming both frontend and backend such as user authentication, custom admin panel, booking system with room assignation.*
Github repository: *https://github.com/juanpp97/proyecto-django*

VW Phone. – *Designing and programming a fictitious e-commerce website.*
Technologies used: HTML, CSS, JavaScript, Vue.js, MySQL, Flask.
Tasks: *Creating endpoint for the backend REST API to retrieve, create, update, and delete new products. Programming the frontend website including the rest api consumption*
Github repository: *https://github.com/juanpp97/tienda_celulares*

Front-End Development Project. – *Designing and programming a website with information about emergencies and hospitals in Cordoba, Argentina.* ***Technologies used: HTML, CSS, Javascript, Vue.js***
https://geosanitas.netlify.app/
Github repository: *https://github.com/juanpp97/Geosanitas*