

Alejandro Peralta

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EDUCATION

Monterrey Institute of Technology and Higher Education

- BS in Mechatronics Engineering, GPA: 4.2/5

WORK EXPERIENCE

QA Engineer (Winnebago)

Nov 2022 - Feb 2024

- Debugged, edited scripts and flashed new releases via Linux
- Developed a feature that allowed the user to monitor the decoded state of incoming CAN data, through Python (backend) and React (frontend)

Iowa, US

Python Developer (DHL)

- Automated processes with Python, such processes would include: web scraping, database updates and queries, and excel report generation.
- Carefully reviewed processes and designed its workflow in order to automate them.

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PROJECTS EXPERIENCE

Portfolio

- Some of the listed projects below in my portfolio: <https://portfolio-kohl-omega-17.vercel.app>
- Github / Git: <https://github.com/peareon>

CAN - State change revealer

Winnebago, Iowa

- Used python to read incoming CAN messages from an RV, decoded, organized, and structured them, to finally post them into an API. Then the data was retrieved and organized and displayed on the screen, highlighting any updates on the data.

Stack: Python, React, Tailwind; FastApi, CAN

Iowa

ANRAMO

- Developed and designed and deployed an e-commerce that is automatically populated from a database on the cloud, such database is updated after every purchase. The owner is currently working on its stock, so the add to cart and payment methods are disabled.

Stack: Javascript, CSS, Node JS, Atlas, MongoDB, HTML; MailChimp, Stripe

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Songify

- Song-finder based on the artist the user inputs. The app throws 5 songs related to such artist. The user can filter by popularity

Stack: React, Tailwind, Spotify API

Puki Travel

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- Web application that creates, updates, deletes posts, and stores them into a database. These can contain images and text. Also, the application includes a login / register page, so only registered users can modify anything.

Stack: NextJS, Tailwind, MongoDB; bcrypt

SKILLS AND INTERESTS

Programming: Javascript, Python, Dart, C#, Matlab, Simulink

Frontend: CSS, React, Devtools, Tailwind

Backend: Node, Mongo, Atlas, MySQL

Languages: Spanish (native), English, (C1), French (basic), Portuguese (basic)

Interests: Soccer, Climbing, Languages, Writing

CERTIFICATIONS

GCP Big Data and Machine Learning Fundamentals. *Coursera*.

Personal leadership. *DM mentoring and consulting*.

SQL Server; Javascript; Web developer Bootcamp; and Dart. *Udemy*.