

Nicholas Paz

Software engineer interested in Automation, CI/CD, and Backend Development.
Passionate about solving challenging problems and learning new technologies.

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EXPERIENCE

Teradata, San Diego — *Software/Devops Engineer Intern*

June 2020 - September 2020

- Implemented network monitoring with Prometheus and Ansible

Treeline Interactive, San Diego — *Software Engineer Intern*

February 2019 - April 2020

- Built CI/CD pipelines with Jenkins and Capistrano
- Developed full stack applications with Django, Laravel, and Vue.js
- Automated database management processes with SQL
- Assumed full ownership of developing and deploying internal tools
- Created automated firmware tests with Python, Bash, and Ansible
- Programmed microcontrollers in C++

Smartfin, San Diego — *Machine Learning Student Researcher*

October 2018 - February 2019

- Used machine learning models to classify IMU sensor data
- Generated, processed, and visualized training and test data
- Designed and implemented business logic for the Smartfin product

PROJECTS

Kan.sh - *Serverless Web App + CI/CD Pipeline*

- Built a serverless Kanban Board web application
- Implemented real-time, concurrent editing using a websocket based backend created with Serverless Framework
- Created a progressive, single-page frontend with Vue.js
- Managed application infrastructure with terraform
- Designed a NoSQL data model, and persisted data with DynamoDB
- Built a multi-environment CI/CD pipeline using Github Actions

Paperwave.net - *Containerized Web App + CI/CD Pipeline*

- Built a containerized, discussion board style web application
- Used Django, Docker, Docker Compose, Redis, and PostgreSQL
- Served from an AWS EC2 instance with Gunicorn and Nginx
- Implemented a CI/CD pipeline with Jenkins and Ansible

EDUCATION

UC San Diego

Major:

Cognitive Science -
Machine Learning

Minor:

Computer Science

TOOLS

Ansible
Cloudformation
Django
Docker + Docker Compose
Flask
Github Actions
Jenkins
Laravel
MySQL
NoSQL
PostgreSQL
Prometheus
Serverless
Terraform
Vue.js
*nix Command Line

LANGUAGES

Python
Java
C / C++
PHP
Bash
Javascript
SQL