

Nick Rodriguez

Software Engineer

Entry-level programmer with a passion for software development and problem-solving. Seeking a challenging position in a fast-paced environment where I can use my skills to make a positive impact and learn.

Skills: Python, Swift, HTML/CSS, SQL, AWS, Linux Server, Restful API, Hosting Web Applications, Manage DNS, GitHub

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☎ +33.07.66.68.03.09

📍 Paris, France (U.S. Citizen)

🌐 dashanddata.com

🐙 github.com/costa-rica

👤 [users/11925053/costa-rica](https://users.11925053/costa-rica)

🌐 [Nick Rodriguez](#)

🗣️ [@nrodrig1](#) (medium.com)

Projects

Open Mindset (open source project)

<https://github.com/amwebexpert/poc-mobile-python>

Converted Python application to Xcode project and submitted to Apple App Store. Python multi-platform app using the KivyMD framework, integrating Artificial Intelligence features. Technologies used: Python, Xcode, Github, kivy-ios toolchain. TestFlight iOS application:

<https://testflight.apple.com/join/1gCPBjbZ>

NHTSA Dashboard

<https://nhtsa-dash.kineticmetrics.com/>

Interface built for Kinetic Metrics to merge National Highway Traffic and Safety Administration (NHTSA) Recalls and Investigation data with their internal research. Technologies used: Flask Python, HTML/CSS and SQLite database.

Tu Rincon

<https://tu-rincon.com/rincon>

Social media application with web and iOS application (TestFlight). Let's users create "rincóns" or chatrooms that can be public or private and post pictures and videos. Technologies used in this application: Flask Python, Swift, restful API, and SQLite database. TestFlight iOS application:

<https://testflight.apple.com/join/06nz9Gc2>

What-Sticks

<https://what-sticks.com/>

Personal data storage platform with statistical feedback to measure user tendencies. Technologies used: Flask Python (web), HTML/CSS, Kivy Python (iOS app), restful API, and SQLite database

Traffic Mapper Demo

<https://trafficmapper.kineticmetrics.com/>

Map web application that integrates Plotly and US National Park Service maps to integrate GPS to draw on maps. Proof of concept for proposal. Technologies used: Flask Python (web), HTML/CSS.

Work Experience

Freelance/learning – Software Engineer

2020-Present

Built various products in attempt to get users and other freelance work.

Naval Sea Systems Command – Economist

2012 – 2020

In my latest role I was an integral part of a small team modernizing the Navy's negotiating tactics - using large data model of millions of parts to contest and negotiate contractor proposal estimates. Built and modified large data models. Industry analysis forecasting price growth. Developed indices used Navy wide to estimate cost growth and ultimately used in US Federal budget.

ICF International – Economist

2009-2012

Forecasted electricity markets using ICF International's proprietary linear program model of US electricity markets. I led in various modeling preparation efforts, contributed to the analysis of results, and wrote reports. Client projects included power plant valuations, energy price forecasts, market share forecasts, and various other indicators. Contributed to testing of model upgrade to .net framework.

Education

BA (3.0) and MA (3.3) Economics George Mason University (Fairfax, VA)

1999 - 2006