

Nick Rodriguez

Software Engineer

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.

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

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🔄 github.com/costa-rica

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🌐 [Nick Rodriguez](https://www.linkedin.com/in/NickRodriguez)

🗣️ [@nrodrig1](https://medium.com/@nrodrig1) (medium.com)

Projects

What-Sticks

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

Personal data storage platform with statistical feedback to measure user tendencies. Technologies: Swift, Python, HTML/CSS, restful API, and MySQL database.

Apple App Store: [What Sticks 12](#).

Open Mindset (open source project)

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

Lead the conversion of 'Open Mindset', a Python-based multi-platform application, into Xcode. Actively contributed to codebase enhancements and bug fixes, leading to successful pull requests; played a pivotal role in the deployment process for the Apple App Store. Technologies: Python, Xcode, Github, kivy-ios toolchain.

Apple App Store: [open mindset](#).

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: Flask Python, HTML/CSS and SQLite database.

Work Experience

Freelance/learning – Software Engineer

2020-Present

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

US Department of Navy – 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.

HDR – Economist

2007-2008

Modeled cost and risk of public infrastructure projects.

US Department of Energy (EIA) Economist

2005-2007

Assisted data collection of electricity retail sales. Worked on special projects analyzing the impact of "deregulation" of US wholesale and retail electricity markets.

Education

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

1999 - 2006