

Nick Rodriguez

Software Engineer, Data Analyst

Full-stack developer with strong database and data analysis skills. Experienced in building and deploying web and mobile applications from concept to production, with a focus on data-driven and statistical applications.

Programmer and DevOps skills: JavaScript, React, Python, Kivy, Swift, HTML/CSS, SQL, MySQL, MongoDB, AWS, Linux Server, Restful API, Host Web Applications, GitHub

✉ nrodrig1@gmail.com

☎ +33.07.66.68.03.09

📍 Paris, France

🌐 nick-rodriguez.info

🐙 github.com/costa-rica

📄 [costa-rica](https://costa-rica.com)

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

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

Video and image editing skills: Shotcut, Flixier, iMovie, Krita, Blender

Projects

What-Sticks

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

Personal health and wellness 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](#)

Kyber Vision

<https://kybervision.eu/>

Kyber vision is a React Native mobile application for Kyber Vision, a platform providing the volleyball community with advanced training and statistics tools. The app enables players, trainers, and supporters to access videos, record actions, and analyze performance in real-time. It is supported by an Express.js API, ensuring seamless data management and interaction.

Technologies: JavaScript, React Native, ExpressJS, SQLite, Expo Go, Github.

Expo Go: [Demo Version 0.6.1](#)

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.

Project Baby

Application to help manage pregnancy. Android and iOS mobile application deployed on Expo Go.

Technologies: JavaScript, React Native, MongoDB, Expo Go, Github.

Download App: [ProjectBaby](#)

Work Experience

Freelance – Software Engineer

2020-Present

Designed, developed, and deployed mobile and web applications from initial concept to fully operational production environments.

US Department of Navy – Economist

2012 – 2020

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.

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

La Capsule JavaScript Full-Stack Web Developer Bootcamp (Paris, France)

2024

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

1999 - 2006