

Roberto Rodas-Herndon

New York, New York

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TECHNICAL SKILLS

Languages, Frameworks, Libraries: JavaScript (React, Node.js, Express.js), TypeScript, MongoDB, Python, PostgreSQL, Flask, Tailwind CSS, HTML

Tools: AWS (Lambda, API Gateway, Cognito, DynamoDB), Vercel, Netlify, Render, Git, Jira, Postman

A.I. Tools: Claude, Copilot, ChatGPT

EXPERIENCE

Founder (Software Engineer)

January 2026 – Present

Hudson Technology Solutions

Jersey City, NJ

- Identified operational and revenue bottlenecks for NJ nonprofits and small businesses, then designed and shipped custom web apps to solve them, while also leveraging AI tools. Deliverables include a subscription platform for a nonprofit client with no digital revenue stream & an automation tool saving 15 hours monthly for an affordable housing professional.

Software Engineer / Data Scientist

Aug 2024 – Present

Public Service Enterprise Group — Python, AWS, 3rd-party APIs, Microsoft Copilot

Newark, NJ

- Replaced fragmented, manual data-pulling processes with API integrations across Redshift, Oracle, SQL Server, and third-party services, contributing to initiatives that saved 9,000+ labor hours and \$500K+ in operational costs.
- Identified manual, repetitive workflows that dealt with enterprise data, which slowed internal teams and built backend services to automate them, eliminating recurring engineering toil and freeing my team of the brunt of the work and making room for capacity to engage in higher-value work.
- Leveraged Python code to create programs that queried enterprise data using SQL syntax for the sake of analyzing it to reduce costs & ensure operational efficiency throughout the company.

Software Engineer Intern - Data

Jan 2023 – Dec 2023

PowerOptions — Python, Pandas, NumPy

Boston, MA

- Enterprise clients for an energy consultancy agency had carbon-neutrality goals but no way to model or track progress against them. Led requirements-gathering with sustainability leads, then designed and shipped 3 production Python services integrating the U.S. DOE B.E.T.T.E.R. API plus interactive dashboards — enabling data-driven decisions across 64 properties to reduce emissions in the New England area.

Software Engineer Intern - Full-Stack

May 2022 – Aug 2022

Pinterest — React.js, HTML, CSS (Bootstrap), Python (Flask), Elasticsearch

San Francisco, CA

- Engineers lacked unified visibility into pre-production system performance, slowing release-readiness decisions. Collaborated with 6 senior engineers, a UX designer, and a lead frontend engineer in Jira sprints and Git-based workflows to build an internal observability tooling, resulting in dynamic dashboards.
- Developed React.js frontend components and Flask backend services streaming live performance analytics from Elasticsearch across dozens of dashboards, shipping 5 production features that improved release-readiness for engineering teams.

PROJECTS

Muse Map | *Stripe, React, Node.js, Express.js, MongoDB, Claude*

- Local artists had no centralized way to surface cultural events, and the partnering nonprofit had no recurring revenue stream. Designed and deployed a subscription platform under Jersey City's elected Poet Laureate, featuring an interactive map, event calendar, and Stripe-integrated paywalled tiers from \$25/month.

Houses4Us | *React, FastAPI, U.S. Census API*

- Affordable housing professionals were spending approximately 15 hours/month manually compiling Census data for federally-required Affirmative Fair Housing Marketing Plans. Built a full-stack automation tool for Jersey City's Department of Affordable Housing that programmatically generates these demographic reports, eliminating the manual lookup entirely.

EDUCATION

Boston University

Boston, MA

B.A. in Computer Science, Minor in Business Administration

2023

Saint Peter's Preparatory School

Jersey City, NJ

High School Diploma

2019