

Senior software engineer specializing in **Ruby on Rails backend systems**, with 3+ years building and maintaining mission-critical applications for the **U.S. Department of Homeland Security**. Strong experience designing scalable APIs, improving automated test coverage, and supporting containerized, cloud-hosted environments. Backed by a deep engineering leadership background and actively expanding expertise in **Python** to support long-term backend relevance in data processing, automation, and services architecture.

Clearance: Active DHS T4/6C Public Trust

CORE TECHNICAL SKILLS

Languages: Ruby, JavaScript, Python (working knowledge) | **Frameworks:** Ruby on Rails (Rails), React
Testing Libraries: RSpec, Capybara | **Databases:** PostgreSQL | **Monitoring:** New Relic, Splunk | **DevOps / Infra:** Docker, Rancher, Jenkins, Harness, Git | **Practices:** Agile, CI/CD, Test Automation, Secure Development

PROGRAMMING EXPERIENCE

Excella (Department of Homeland Security – Digital Innovation and Development)
Senior Consultant
Consultant

Remote
October 2024 – Present
December 2022 – October 2024

- Designed, enhanced, and maintained mission-critical Ruby on Rails applications supporting multiple DHS programs, collaborating across product, design, security, and infrastructure teams.
- Delivered high-impact features recognized with multiple department-wide awards, improving user experience, application performance, and operational stability.
- Led a major modernization of automated testing, overhauling the RSpec test suite and establishing team-wide best practices for unit, integration, and end-to-end testing.
- Built and maintained internal shared tooling, including an in-house Ruby gem that standardized and streamlined deployment of reusable UI components across applications.
- Designed a reusable subnavigation UI component using the Lit framework, enabling plug-and-play adoption across DIDiT applications and improving UI consistency.
- Improved developer experience by redesigning application seed data structures, enabling more reliable environment setup and faster onboarding.
- Supported cloud and platform evolution by migrating development workflows to Docker and assisting with application transitions from PCF to AWS EKS.

ENGINEERING LEADERSHIP & TECHNICAL EXPERIENCE (PRIOR CAREER)

ExxonMobil – Project Engineer / Engineering Lead | 2014 – 2018

Led cross-functional engineering teams on **\$30M+ capital projects**, recognized with ExxonMobil's **REAL award** (recognition for engineering achievement and leadership) for ~\$3M/year cost saving innovation; stewarded CAPEX/OPEX budgets and zero-incident safety performance across ~20,000 man hours.

Dominion Energy (Questar Pipeline) – Compliance Engineer | 2021 – 2022

Directed PHMSA-regulated audits across field operations and corporate records, producing only two findings; built internal automation tools to improve accuracy and efficiency of mandatory regulatory reporting.

Okland Construction – Project Manager (SLC International Airport) | 2019

Managed subcontractor delivery for major airport expansion work, coordinating electrical, security, and conveyance systems under accelerated timelines.

Jupiter Peak Venture LLC – Founder / Owner | 2019 – 2022

Built and operated a services business achieving **top 5% sales performance** among 80+ franchisees with **\$332K first-year revenue** and 65% gross margin.

EDUCATION

Flatiron School, New York, NY
Software Engineering

Graduation: *September 2022*

The Ohio State University, Columbus, OH
B.S. Mechanical Engineering with Minor in Business

Graduation: *May 2014*