

LUIS RODRIGUEZ RIVERA

AI-AUGMENTED FULL-STACK SOFTWARE ENGINEER

787-980-5868 | luisangelrod17@gmail.com
LinkedIn | GitHub | ProofLoop | DevStatus | Safe Shores

PROFESSIONAL SUMMARY

AI-augmented full-stack engineer with 4+ years building software across healthcare, payments, document workflows, and business operations. Hands-on with Anthropic and OpenAI APIs, structured outputs, guardrails, human escalation, agentic evaluation, SQL Server, Azure, and C#/.NET. Python experience through scripting, data analysis, and formal coursework. Applies source-data validation, regression checks, deterministic tests, and live human verification before AI-assisted work is accepted.

RELEVANT SKILLS

Applied AI:	Anthropic and OpenAI APIs, prompt design, structured JSON outputs, tool use, constrained extraction, agent workflows, human-in-the-loop escalation
AI Evaluation:	LLM-as-a-judge, rubric design, failure-mode analysis, adversarial review, regression-test conversion, deterministic and human verification
Data:	SQL Server, T-SQL, stored procedures, schema design, query optimization, PostgreSQL, Azure Document Intelligence, PDF and document workflows
Engineering:	C#, .NET, Python scripting and data analysis, TypeScript, React, Angular, REST APIs, Azure, Git, CI/CD, Playwright, Vitest

PROFESSIONAL EXPERIENCE

AI Training Data Specialist Handshake AI (Contract) <i>Computer-use agents Model evaluation Structured training data</i>	06/2026 - Present
- Evaluate and author macOS computer-use agent workflows for foundation-model training, assessing behavior against task specifications and identifying failure modes, edge cases, and tool-use errors. - Produce structured prompt-and-response datasets and apply full-stack engineering judgment to grade real-world software tasks, validate completion quality, and document reproducible model failures.	
AI-Augmented Full-Stack Software Engineer Business Computer POS (BCPOS) <i>.NET/C# React/TypeScript SQL Server Azure Claude Code Codex Gemini</i>	09/2025 - Present
- Build and maintain payment, transportation, retail/POS, multi-tenant SaaS, and internal operations systems, owning architecture, integrations, automated testing, cloud delivery, security hardening, and release preparation. - Designed and operate an evaluation-driven agentic workflow in which coding agents implement issue-scoped changes and role-specific AI reviewers independently assess domain correctness, architecture, security, tenant isolation, frontend behavior, and test quality. - Convert review findings into verified fixes and regression tests; require deterministic build and test gates plus live browser or physical-hardware verification before acceptance. - Implemented constrained LLM extraction with deterministic safety rules and human approval for a multi-tenant SaaS workflow; retained human accountability for every accepted model-generated change.	
Frontend Engineer Vaco by Highspring (Contract) <i>Angular TypeScript Azure Document Intelligence Azure Blob Storage REST APIs</i>	03/2025 - 08/2025
- Built Angular modules for a document-driven investigation platform and integrated Azure Document Intelligence to extract structured information from PDFs and other uploaded files. - Implemented secure multi-format document storage and JWT-authenticated APIs for document access control and downstream workflows.	
Software Developer Puerto Rico Department of Health (Contract) <i>Angular TypeScript SQL GitLab CI/CD Regulated healthcare systems</i>	2023 - 03/2025
- Shipped features across public-health applications, improving clinical and administrative data workflows in a regulated environment. - Implemented JWT-based authentication and authorization, supported SQL-backed features, and participated in GitLab CI/CD delivery and technical troubleshooting.	
Software Developer Truenorth Corporation <i>.NET Framework C# Microsoft SQL Server Azure DevOps</i>	01/2023 - 01/2025
- Built .NET backend modules for government-facing platforms and engineered SQL Server data models, stored procedures, and query optimizations for complex reporting. - Deployed applications across development, staging, and production through Azure DevOps pipelines.	
Software Developer / QA Associate Require Technology <i>React Redux Playwright Cypress AWS</i>	2022 - 2023
Built reusable React components and led a Cypress-to-Playwright migration that improved cross-browser end-to-end test coverage and execution stability.	

SELECTED DEPLOYED SYSTEMS

ProofLoop - Interactive AI Delivery Work Sample | JavaScript, state machines, structured evaluation - Built a deterministic browser-only replay of goal definition, role-specific AI review, correction loops, regression evidence, and final human sign-off with no runtime model call.

DevStatus - Live Operations Dashboard | Next.js, API aggregation, real-time monitoring - Built and use a mission-control dashboard that consolidates live operational status and incidents across 14 AI, hosting, database, and developer services.

Safe Shores - Live Public-Safety Platform | Next.js, NWS/NOAA APIs, geolocation, PWA - Built a bilingual platform covering 98 Puerto Rico beaches with active alerts, hazard profiles, tides, buoy data, and explicit source-availability handling.

EDUCATION AND CERTIFICATIONS

University of Puerto Rico at Bayamon - Computer Science coursework

freeCodeCamp: Data Analysis with Python; Scientific Computing with Python; JavaScript Algorithms and Data Structures; Responsive Web Design

Languages: Spanish (Native); English (Advanced)