

Maria Rodriguez

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PROFESSIONAL SUMMARY

Software Engineer with a B.A. in Computer Science and Cybersecurity certificate. Builds full-stack systems across TypeScript, Java, Python, React, Spring Boot, PostgreSQL, CI testing, and AI-integrated workflows.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, C/C++

Frameworks & Libraries: React, Next.js, Node.js, Express, Spring Boot, Spring Security, Django, Flask, TensorFlow

Databases & Cloud: PostgreSQL, MongoDB, MySQL, SQLite, Prisma, AWS (EC2, Lambda, S3), Docker

Testing & Tools: GitHub Actions, pytest, Playwright, JUnit, Vitest, Git/GitHub, Postman

ENGINEERING PROJECTS

Nexus: Full-Stack Supply Chain Visualizer [Source Code](#) | [Live Demo](#) **Java** | **Spring Boot** | **React** | **PostgreSQL** | **Docker**

- Designed 40+ REST endpoints across shipments, inventory, and analytics using Spring Boot, Spring Data JPA, and Flyway
- Configured Spring Security + JWT stateless authentication with CORS, centralized error handling, and request validation
- Automated 90+ unit, API, and PostgreSQL integration tests in GitHub Actions CI; Dockerized deploys via Render IaC

Clay: Agentic Analytics Platform [Source Code](#) | [Live Demo](#) **TypeScript** | **Next.js** | **tRPC** | **PostgreSQL** | **Drizzle** | **Claude API**

- Architected a streaming Claude tool-use agent rendering dashboards from one prompt, sandboxed to 15 allow-listed queries
- Designed a 28-procedure tRPC API and 11-table Drizzle schema; every edit writes an immutable version that can be reverted
- Shipped multi-sheet XLSX, CSV, and headless-Chrome PDF exports that re-run catalog queries server-side for full data

LeafMedic: Edge AI Plant Diagnosis [Source Code](#) | [Live Demo](#) **Python** | **TensorFlow Lite** | **ONNX Runtime Web** | **PyQt5**

- Achieved 14ms WebGPU inference on an 11MB quantized MobileNet across browser, desktop, and Raspberry Pi runtimes
- Engineered predictive-entropy and vegetation guards to reject ambiguous images, mirrored across Python and JS
- Automated 146 tests across pytest and Playwright in a three-job GitHub Actions CI pipeline with lint, type-check, and E2E

Meridian: Franchise Retention Intelligence [Source Code](#) | [Live Demo](#) **TypeScript** | **Next.js** | **Prisma** | **SQLite** | **Gemini API**

- Built a Next.js/TypeScript platform with SSE live alerts, Gemini streaming AI, and FTS5 search across 69 locations
- Designed an 8-model Prisma schema with strict server/client boundary - all ORM queries server-side only
- Engineered a sigmoid churn model (AUC 0.841) scoring 15K+ members with feature importance and an ROI calculator

EXPERIENCE

AI Automation Engineer (Contract)

June 2025 – August 2025

Mastery Glass Design

- Shipped an internal quoting assistant in Python, LangChain, and Pinecone over historical pricing and labor datasets
- Built an agentic vision-LLM pipeline parsing order specs from PDFs into a manufacturing tracking database
- Automated lead triage, follow-up drafting, and CRM routing via n8n and the OpenAI API

Technical Operations Associate

June 2022 – Present

JETSET Pilates

- Administered Mindbody platform for scheduling, payments, and account management as primary technical point of contact
- Diagnosed and resolved client-facing booking and payment failures through systematic troubleshooting
- Maintained internal system workflows and supported technical onboarding for new staff

Full-Stack Web Developer

July 2018 – November 2020

Style Link Miami | Hannah Bella Collections

- Launched brand's first Shopify storefront - checkout, payments, shipping, and store settings end-to-end
- Developed product catalogs and collection pages in custom, mobile-friendly HTML/CSS
- Configured third-party Shopify apps and set up site-wide SEO metadata

EDUCATION

Florida International University

Miami, Florida

Bachelor of Arts in Computer Science

August 2025

Certificate in Cybersecurity Intelligence & Information Policy

Magna Cum Laude | Dean's List: Fall 2023 – Summer 2025 | Academic Achievement Award | GPA: 3.72