

Maria Rodriguez

US Citizen | Miami, FL | mrodr.contact@gmail.com | (xxx) xxx-xxxx

GitHub: [/mariarodr1136](#) | LinkedIn: [/in/mariarodr](#) | Portfolio: [mariarodr1136.github.io/Portfolio/](#)

EDUCATION

Florida International University

Bachelor of Arts in Computer Science

Certificate in Cybersecurity Intelligence & Information Policy

- **GPA:** 3.72 – Magna Cum Laude
- **Scholarships & Awards:** Magna Cum Laude, Dean's List: Fall 2023 – Summer 2025, Academic Achievement Award

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Computer Architecture, Operating Systems, Discrete Mathematics & Calculus, Machine Learning, Object-Oriented Programming, Database Management

Miami, Florida

Graduated - August 2025

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, JavaScript, SQL, C, React, Spring Boot, Node.js, Django, Flask, Swift

Cloud & DevOps: AWS (EC2, Lambda, S3, SQS), Docker, Git/GitHub, Postman, TensorFlow Lite

Databases & Data Tools: PostgreSQL, MongoDB, MySQL · NumPy, Pandas, OpenCV

Testing & Methodologies: JUnit, unittest · Unit/Integration Testing, Code Coverage · Agile (Scrum & Kanban)

PROFESSIONAL EXPERIENCE

Technical Operations Associate

June 2022 – October 2025

JETSET Pilates

- Automated **internal workflows** and system troubleshooting, achieving a **100% resolution rate** for technical escalations
- Optimized **payment processing integrations**, refactoring business logic to reduce transaction processing time by 25%
- Engineered **scalable solutions** for system inefficiencies through **root cause analysis**, increasing overall system reliability

Full Stack Web Developer

July 2018 – November 2020

Style Link Miami / Hannah Bella Collections

- Architected **responsive e-commerce interfaces**, significantly optimizing **front-end load performance** and accessibility
- Developed **scalable back-end systems** for inventory management, ensuring data integrity and high system availability
- Integrated **data-driven marketing features**, leveraging analytics to drive a **25% increase in conversion rates**

ENGINEERING PROJECTS

Atmosphere Analyzer: Smart Data Visualization Tool | [Source Code](#) Python | AWS (Lambda, S3) | React | Django

- Solved environmental data delays by building a **serverless pipeline** with AWS Lambda, boosting efficiency by 35%
- Engineered a **RESTful API** to bridge AWS S3 and React, enabling asynchronous real-time data streaming
- Implemented **unit testing** and **Agile** methodologies to ensure high code coverage and fault-tolerant deployments

Leaf-Medic: Embedded Computer Vision & ML System | [Source Code](#) Python | TensorFlow | PyQt5 | Raspberry Pi

- Achieved **90+ real-time plant disease detection** by deploying an optimized MobileNet model on Raspberry Pi
- Delivered confidence-ranked predictions and treatment guidance via **PyQt5 GUI** with image preprocessing
- Built a **modular, production-ready edge AI system** with ~145ms inference and scalability architecture

Micro-Investment Full-Stack Platform | [Source Code](#) React | Node.js | Express | MongoDB | Alpha Vantage API

- Architected **real-time data pipelines** via Alpha Vantage and News APIs to deliver high-fidelity market insights and trends
- Optimized **MongoDB schemas** and Express logic to ensure **ACID-compliant transaction** handling and accurate rankings
- Developed a **fault-tolerant backend** and responsive UI, focusing on system reliability and performance

Real-Time Supply Chain Visualizer | [Source Code](#) Java | Spring Boot | JavaScript | React | PostgreSQL | Docker

- Engineered **RESTful services** using **Spring Boot** to manage high-volume inventory data and logistics tracking
- Optimized **PostgreSQL schemas** to improve query performance for real-time data visualization via **Chart.js** and **Leaflet**
- Architected a scalable deployment on **AWS EC2**, utilizing **JUnit testing** to ensure 100% endpoint reliability