**RODRIGO CID LOPES**

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**EDUCATION:**

**Florida International University Miami, FL**

*Bachelor of Science, Computer Science Expected Dec 2024*

* GPA: 3.6

**University of Florida Gainesville, FL**

*Bachelor of Science, Economics Dec 2021*

**PROFESSIONAL EXPERIENCE:**

**Ford Motor Company Dearborn, MI**

*Full Stack Software Engineer Intern May 2024 - Aug 2024*

* Deployed an enterprise Spring Boot application to enforce data privacy laws, including CPRA, ensuring organizational compliance and securing sensitive data across multiple platforms.
* Designed and implemented a GCP Cloud Scheduler job to automate data privacy compliance, cross-referencing over 4 million database records and processing access and delete requests through REST API calls.
* Implemented CI/CD pipelines using Tekton Ecoboost to automate the build, test, and deployment processes, improving deployment efficiency and reliability.
* Served as the single point of contact between teams, coordinating project efforts and onboarding new team members to maintain project momentum.
* Developed a comprehensive testing suite with 30+ unit and integration tests, utilizing mocked REST calls to validate functionality and maintain high code quality standards.
* Maintained a full-stack Spring Boot and Angular application used company-wide by 180,000 employees.

**Ultimate Kronos Group (UKG) Weston, FL**

*Full Stack Software Engineer Intern Aug 2023 - Apr 2024*

* Led the development of a work and PTO calendar page, including designing mockups and iterating on them based on stakeholder feedback, improving scheduling transparency and employee time management within the organization.
* Migrated an Azure database to Databricks, reducing page load times by 50%, significantly improving end-user experience.
* Implemented and maintained CI/CD pipelines using Kubernetes and GitHub Actions, ensuring seamless and efficient deployment processes.
* Developed upon a full-stack internal tool utilizing C# and Razor, enhancing the operational efficiency of internal workflows.
* Developed and enhanced payroll localization and accessibility features in UKG Pro, a HCM platform used by over 12,049 companies, leveraging the .NET framework and C# to ensure compliance with UKG payroll regulations and standards.
* Optimized complex SQL queries using Microsoft SQL Server, resulting in up to a 20% reduction in report generation time, significantly improving database query performance and overall system efficiency.
* Collaborated within a Scrum framework to deliver localization solutions on time, participating in daily stand-ups and sprint planning meetings to align development efforts with project goals.
* Coordinated with Quality Assurance (QA) and Business Analysts (BAs) to define user stories, refine acceptance criteria, and ensure comprehensive unit testing, leading to more effective Scrum development cycles.

**Google Mountain View, CA**

*Lead Full Stack Software Engineer (Student) - Tech Exchange Jan 2023 - May 2023*

* Led a team of 3 engineers to create a dynamic wiki website, demonstrating strong leadership and understanding of Git, Bash, and version control.
* Used Python and Flask to implement a backend that dynamically retrieves data from Google Cloud Storage, App Engine.
* Designed 30+ automatic unit tests integrated into a CI/CD pipeline that include file I/O mocking.

**SKILLS:**

* **Programming Languages:** C#, Java, Python, Javascript, SQL, R, HTML5, CSS3
* **Technologies:** .NET, Angular, Spring Boot, GCP, Azure, Tekton, SUnit, React, Flask, Jinja, Sass, Express.js, Node.js
* **Tools:** Scrum, Jira, Agile, VSCode, Visual Studio, Postman, Git, Github, BitBucket, Figma, PowerBI, Tableau
* **Involvement:** Init FIU, Google Developer Student Club
* **Relevant Coursework:** Machine Learning, Software Testing, Computer Architecture, Database Systems, Software Engineering, Applied Data Structures, Careers in Tech, Software Development Studio, Programming 1-2, Discrete Structures, C++ Prog., Econometrics 1-2, Calculus 1-3, Linear Algebra, Differential Equations.