

Ricardo Suarez

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EXPERIENCE

Johnson & Johnson - Software Engineer Team Lead | Raritan, NJ January 2023 – Present

- Spearheaded the development of a REST API portal, enhancing both frontend and backend functionalities, as well as web and mobile applications. We successfully accomplished this by collaborating with high-performance teams to create and implement a Docker image for clusterization and deployment utilizing Typescript, Swagger UI, Jenkins, and SonarQube, and resulted in comprehensive performance testing.
- **Led the creation of 90% of the codebase's unit tests** in TypeScript using Jest and testing-library/react, enhancing code quality and ensuring error-free functionality.
- **Increased team productivity by 33%** by leading a team of 4 software engineers, providing guidance, enhancing collaboration between team members, and delegating tasks to meet project sprint, by using the scrum principles.

Cutting Edge Background Checks - Software Developer | Fort Lauderdale, FL January 2022 – December 2022

- Built a robust Python-based RPA algorithm to comprehensively scour the web, extract and meticulously analyze all pertinent data pertaining to an individual's criminal record. **Improving previous API search time by 70%**
- Developed an API solution to automate Google Re CAPTCHA v3 solutions, **reducing manual evaluation time by 95%**
- **Elevated conversion rate by 50% and decreased bounce rate by 30%** through the seamless integration of a sophisticated yet user-friendly Payment gateway API for a data analysis in a background check application platform.

Google Software Product Sprint - Apprenticeship | Remote May 2021 - August 2021

- One of 182 students chosen for an invite-only software engineering training and mentorship program.
- Collaborated with a team of three students to build a web app that fetches, stores, and visualizes Sentiment Analysis of a Twitter post, resulting in a comprehensive data visualization tool. We attained this by leveraging HTML, CSS, JavaScript, Java servlets, Firestore, NoSQL, and Analyzing Sentiment API.

The Home Depot - Software Developer Intern | Remote May 2020 – August 2020

- **Improved merchant planners' daily workflow by 47%** through a Python-based Price Visibility Tool, enabling real-time access to product retail information. Collaborated with a team of seven Engineers.
- Improved operational efficiency by designing, developing, and testing automation workflows and RPA solutions.

PROJECTS

Farm RPG Automation [\(GitHub\)](#)

- Implemented diverse image processing tasks, centroid calculation, edge filtering and HSV filtering algorithms using the OpenCV library for automating game tasks. Developed a control GUI with real-time trackbars for adjusting filter parameters, enhancing efficiency and accuracy in computer vision and image analysis tasks.

Home Depot Appliance Finder [\(GitHub\)](#)

- Developed a high-impact web application at Home Depot to classify billions of products, achieving a **75% reduction in database query time** through the implementation of a synchronous search algorithm, **using an obfuscated API**.

EDUCATION

Georgia Institute of Technology Atlanta, GA
Master of Science in Computer Science (M.S. CS) 2023 - Present

Florida Memorial University Miami, FL
Bachelor of Science in Computer Science - **GPA: 4.0 - Valedictorian** May 2022

SKILLS

Programming Skills: Python, JavaScript, SQL, Java, and HTML, Google, Chat GPT

Tools & Frameworks: AWS, Jenkins, NumPy, Pandas, Flask, Beautiful Soup, CSS, Git, SonarQube, Kubernetes, Tilt, DAX BI

Languages: English, Spanish, Portuguese

ADDITIONAL EXPERIENCE

1st Place Winner - HACK SOFLO Hackathon – App: Open Wings October 2022

Apprenticeship - Codepath - Advanced Software Engineering - | Remote May 2022 - August 2022

Lead / President- Google Developer Student Clubs | Miami Gardens July 2021 - July 2022

1st Place Winner - Nike's INSIDIOUS Hackathon April 2021