

Julio Lopez Jr.

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EDUCATION

Bachelor of Science in Computer Science

University of Colorado - Boulder May 2019

SOFTWARE EXPERIENCE

Software Engineer

January 2024 – Current L3 Harris

- Promoted to Software Engineer from System and Integration Engineer due to detailed knowledge of system and researching technical Agile spikes.
- Developed 15 Java classes that function as an API to receive and transform various data types that are used daily by our clients, allowing seamless communication between 12 government systems.
- Researched and assisted in implementing modern technologies into our technical stack, improving our message transforming throughput by 50%.
- Negotiated with the client a final acceptance criteria after multiple changes in direction, allowing the software engineering team to have baseline direction for upcoming work.

System and Integration Automated Test Engineer

August 2021 – January 2024 L3 Harris

- Developed automated tests in JavaScript using Cypress and TestBear's TestComplete to create 30 consistent, flake-free tests across multiple teams to perform testing to maintain product integrity and reduce engineering costs.
- Followed software development best practices to create concise, easy to read and reusable modules in JavaScript. These modules are peer-reviewed and adjusted for code readability and functionality.
- Coordinate with the team in tri-yearly deployment of product to our clients through automated regression testing, and on-site testing in Linux environment for official acceptance and sign-off, ensuring continued renewal of project.
- Created a Windows PowerShell script to run the entirety of the test suite and save the results to then present a daily report to the team on up-to-date status on quality of our code.
- Participated in the Agile process by giving daily standups, scrum master responsibilities, bi-weekly refinements and retrospectives, and giving input to the direction our team should head in for upcoming sprints and increments.

Arpeggio Bioscience Web Portal

September 2018 – May 2019 Full-Stack Software Engineering

- Applied knowledge of Frontend development to create React components in JavaScript to navigate users between web pages while maintaining the existing feel of the company's website.
- Collaborated with other Junior engineers to ensure privacy of customer information using JSON web tokens to send sensitive information to Python on a Linux system.
- Maintained software integrity by continuously adding to CircleCI using JavaScript's Yarn package manager to protect previously written code from arising bugs.
- Collaborated through peer-reviewed code source control on GitHub requiring approval from two other developers as another layer of security to protect a working master branch.

SOFTWARE SKILLS AND LANGUAGES

- Python, Pandas, Flask, MySQL, Java • Apache Nifi, Apache Kafka
- VSCode, Eclipse • Linux, VM Environment, PowerShell, Docker
- JavaScript. React, Angular, Cypress, Rest API
- Collaboration through GitHub • Working experience in Agile Team