

# Gregory Jueves Mayo

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## EDUCATION

**San Jose State University** | B. S. Software Engineering

*December 2020*

Relevant Coursework: Operating System, Computer Network, Enterprise Software, Data Structures and Algorithms, Machine Learning, Information Security, Computer Architecture, Database Management Systems

## WORK EXPERIENCE

**Windstream** | Software Engineer | Little Rock, AR

*January 2022 - February 2024*

- Enhanced Windstream's Sales Quotation Application (PAO) efficiency by 12% by implementing RESTful APIs that integrate with internal CRM API, enabling the updating of customer information and the viewing of submitted quote data in JSON format using **Swagger**, **Java**, and **Hibernate**
- Reduced PAO workload by 8% by transforming the final report generation tool into a standalone microservice with RESTful API access, while also enhancing the report format for improved user-friendliness
- Improved address accuracy by 30% by building a Java Address Validation tool, integrating USPS and Google APIs to validate and cross-reference addresses, and leveraging an internal Geocoordinate API
- Implemented RESTful API access for the Address Validation tool and added spreadsheet upload/download functionality to streamline bulk requests handling
- Spearheaded the migration of PAO to a microservice architecture, enhancing workflow and team collaboration. Developed RESTful APIs to facilitate quote submissions to the internal CRM, quote saving, efficient JSON loading for quote retrieval, product availability, and pricing
- Decreased quote revision resubmissions by 17% with a redesigned PAO summary page, offering comprehensive product change tracking
- Developed and implemented new features to ensure the accuracy of product availability and pricing, aligning with business requirements and integrating with PAO's pricing database

**Domino Data Lab** | Software Engineer Intern | San Francisco, CA

*April 2021 - October 2021*

- Redesigning Domino's deployment internal hub UI and integrated the backend API to enable web-based access to the Domino framework, utilizing **ReactJS**, **TypeScript**, **Flask**, and **Python**
- Reduced AWS deployment costs by 18% by implementing multi-region deployment options. Seamlessly integrated with AWS services such as EC2, ELB, VPC, and CloudFormation
- Optimized Domino framework setup by allowing users to load previous configurations, including framework versions, cloud provider services, and region preferences, leveraging **Redux** and **MongoDB**
- Reduced failed Domino tasks by 23% by creating a feature that prevents incompatible version upgrades and suggests optimal versions before framework updates
- Implemented a sorting feature in Domino's deployment hub to organize running instances based on selected cloud providers, enhancing user navigation and resource management

**Salesforce** | Security Tools Developer Intern | San Francisco, CA

*June 2020 - August 2020*

- Upgraded the Salesforce Compliance site by building a digital file watermarking system using **Node.js**, enabling efficient identification of confidential document ownership
- Reduced download workload on the Compliance site by 16% by strengthening the watermarking feature's security with Adobe Experience Manager, restricting file sharing, and preventing modifications
- Implemented in-house language features in Salesforce's internal app to address and mitigate security issues

## ACCOMPLISHMENTS

**Runner Up - PayPal "Opportunity Hack" - San Jose 2019**

*November 2019*

- Developed a **ReactJS** web app and a **Swift** mobile app integrated with Firebase to support non-profit organizations in sharing information on education, food, and housing, with a focus on aiding foster youths

## TECHNICAL SKILLS

- **Languages:** Java, SQL, TypeScript, JavaScript, Python, C, C++, Swift
- **Frameworks:** Java Spring Boot, React.js, Vue.js, Flask, Node.js, React Native, JUnit, Pytest
- **Others:** Swagger, MongoDB, Firebase, MySQL, Docker, Kubernetes, Storybook