# Carlos Saucedo

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## Skills

- Languages: Java, Python, JS/TS, Bash, C#, VB
- Web Frameworks/API Design: Spring Boot, Flask, .NET, Ionic, REST APIs, Postman
- Databases: PostgreSQL, SQLite, MySQL, Couchbase
- Platforms: GCP, AWS, Firebase
- Unit/Integration Testing Frameworks: JUnit, Cucumber, Pytest
- CI/CD: Git, Docker, Kubernetes, Spinnaker, Jenkins, GitHub Actions
- Tools: Apache Kafka, Kibana, Grafana, JMeter

## Experience

### Software Engineer / Lowe's Companies, Inc.      MAY 2021 - PRESENT

*Fortune 40 Home Improvement Retailer headquartered in Mooresville, NC.*

- Responsible for designing, maintaining, and implementing Spring Boot microservices and REST APIs for the Loyalty and Enterprise Customer teams, interfacing with Apache Kafka, PostgreSQL databases, as well as other internal and external APIs.
- Develops robust and performant tests, using JUnit and Cucumber, as well as Kibana and Grafana for logging and analytics, as well as stress testing using Apache JMeter to ensure all code is efficient under heavy load.
- Deploys code with advanced CI/CD workflows, employing the Google Cloud Platform, as well as Kubernetes, Jenkins, Docker, and Spinnaker, to ensure zero downtime in high-volume applications.
- Employs SCRUM and AGILE methodologies alongside other developers to ensure high-velocity products are delivered that meet business requirements and constraints.
- Maintains a rewards hub platform that processes 34 million transactions per year, with over $100M in rewards awarded to Pro customers, and has onboarded 2.7M individual organizations since January 2022 launch.

### Software Engineer / Grainhouse LLC.      SEPTEMBER 2019 – JANUARY 2022

*Smart Sourcing Company headquartered in Tallahassee, FL.*

- Developed and worked as the founding engineer for Hire Wells, a smart talent, vendor, supplier, and contractor sourcing automated chatbot deployed to Slack and Microsoft Teams that simplifies and automates the sourcing processes for companies of all sizes.
- Created and maintained a tech stack consisting of AWS servers, Python backend, JavaScript, and HTML frontend, as well as Intercom, Slack, and Microsoft Teams APIs to create a streamlined, cross-platform experience.

## Projects

### Octobot / React/Flask Web App      SEPTEMBER 2022 - PRESENT

*Open-source group expense tracking web app.*

- Co-Creator and responsible for leading a team of 4 developers.
- Using the latest ReactJS and Ionic Framework on the frontend, provides a responsive and intuitive UI to track expenses per person for large groups, allowing for multiple different expense split options.
- Supports the frontend with a Python/Flask backend, using SQLite to store and calculate transactions and owed amounts for each group.
- Developed an automated CI/CD pipeline utilizing GitHub Actions, that automatically deploys the backend Flask server as well as the frontend Node app via Firebase on PR merges.

## Education

### BS in Computer Science / Florida State University      AUGUST 2018 - DECEMBER 2021

- Concentration in Mathematics.
- Active member of the ACM @ FSU, Cybersecurity Club, and HackFSU.