Carlos Saucedo

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Skills

- Java/Spring Boot Architecture
- CI/CD: Spinnaker, Jenkins, Kubernetes
- API Design and Implementation
- PostgreSQL, MySQL, SQLite database management
- Python/Flask Framework
- Bash/Shell Scripting

- JS/Typescript: React Framework, NodeJS, AngularJS
- C/C++
- SCRUM and AGILE methodologies
- Unit/Integration Testing Frameworks: Pytest, Cucumber, Junit
- Apache Kafka

Experience

JANUARY 2022 – PRESENT
Associate Software Engineer / Lowe's Companies, Inc.
Fortune 40 Home Improvement Retailer headquartered in Mooresville, NC.

- Responsible for designing, maintaining, and implementing Spring Boot microservices and REST APIs for the Loyalty team, 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.
- Processes 34 million transactions per year, with over $100M in rewards awarded to Pro customers. Handles 2.7 million individual organizations since Pro Loyalty launch in January 2022.

MAY 2020 – AUGUST 2020, MAY 2021 – AUGUST 2021
Software Engineer Intern / Lowe's Companies, Inc.

- Developed and maintained Spring Boot microservices and REST APIs for the Enterprise Customer team. Utilized CI/CD tools with Google Cloud Platform, Spinnaker, Kubernetes, and Jenkins technologies.
- Deployed microservices to the Google Cloud Platform using Kubernetes. Created data retrieval systems for PostgreSQL and Couchbase databases.
- Created metric logging systems and employed them to create performance tests and metrics analysis to ensure efficiently working code. Employed Apache JMeter and Prometheus to create metrics and perform stress tests. Developed JUnit tests and use them to ensure all code is free of errors.

SEPTEMBER 2019 – JANUARY 2022
Software Engineer / Grainhouse, LLC
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 chatbot deployed to Slack and Microsoft Teams that simplifies the sourcing process 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.

Education

MAY 2018 – DECEMBER 2021

BS in Computer Science/ Florida State University, Tallahassee FL

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

Projects

SEPTEMBER 2022 – PRESENT

Octobot / React/Flask Web App

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.

APRIL 2018 – DECEMBER 2021

Rikka-Bot / Discord Python Bot

Chatbot and moderation bot currently employed by over 250,000 Discord users worldwide.

- Designed, programmed, and hosts the project, and leads a team of 4 members on the development team.
- Integrated an advanced SQL server, as well as the Discord API, WolframAlpha API, Gizoogle.net API, Google Translate API, and CleverBot.io API to process and create intelligent responses based on user need, including language translation, moderation, and miscellaneous fun commands.

OCTOBER 2019 – DECEMBER 2019

Calbot / Intelligent Nutrition Tracker – HackFSU 2019 First Place Winner

Nutrition tracker that keeps track of intake through the latest in Computer Vision and artificial intelligence.

- Designed and led a team of 3 developers in creating an advanced, cross-platform chatbot assistant that simplifies the nutrition tracking experience by offering a seamless experience using the most popular conversational clients.
- Employed the Google Cloud Computer Vision API to identify food in an image and used the WolframAlpha knowledgebase API to query for nutrition information and logs and tracks them in an SQL database.