

# Zackary Santana

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## Summary

5+ years of experience as a self-motivated software developer that focuses on learning better ways to develop and loves to apply new technologies and develop them cleanly and efficiently. Experience with working in a constantly changing development environment with continuous deployment/integration. Loves working on Fullstack, DevOps, UNIX, and Database related work!

## Education

### Florida International University

Expected Graduation: April 2023

GPA: 3.6

- Bachelor of Science in Computer Science
- Advance UNIX Programming, Algorithm Techniques, Artificial Intelligence, Data Mining, Data Structures, Database Administration, Database Management, Human-Computer Interaction, Operating Systems, Software Engineering

## Work Experience

### Software Engineer Intern

June 2022 – August 2022

#### MongoDB Inc.

- Worked on a scrum (agile) team for MongoDB's internal CI/CD testing tool, Evergreen (<https://github.com/evergreen-ci/evergreen>).
- Used **Golang** to create new **REST** endpoints, manage existing ones, and create middleware.
- Created new functionality that restarts a subset of tests for the user and systematically keeps track of non-restarted and restarted tests for the same test-suite.

### Software Engineer Intern

June 2021 – August 2021

#### MetLife Inc.

- Managed and maintained a frontend **Angular.js** application that displayed real-time information that was vital for the team.
- Organized the backend **Restify** that interacted with a **MongoDB** that pinged endpoints to test status of **Java Virtual Machines**.
- Engaged in a **SAFe Agile** team that made use of scrum to keep track with the day-to-day process.

### Director of Technology/Code (<https://flow.fly.dev>)

January 2021 – Present

#### UPE – Development Program

- Created and managed a responsive and adaptive website for an organization with **8000+** members.
- **React.js** and **Remix.js** were used for Server-Side Rendering (SSR) and caching. **Strapi** was used to implement a custom Content Management System (CMS). **Docker** and **Flyctl** were used for deployment.

### Workshop Organizer & Judge

August 2020 – Present

#### ShellHacks - Hackathon

- Tailor made and hosted workshops for **Florida's largest hackathon, ShellHacks**, which has over **50** sponsors like Microsoft, Google, Amazon, and Facebook and **1000+** participants.
- Guided participants in using **HTML**, **CSS**, **JavaScript**, **React.js**, **Express.js** to start their web-based hackathon projects.

### Learning Assistant Intern for Calculus I & Physics I/II with Calculus

January 2020 – Present

#### Learning Assistant Program – Florida International University

- Taught in the Math and Physics department assisting in a total of **5 different classes**, with an average of **70+ students**.
- Supervised **40** students through the material each class and held office hours for 1 on 1's with struggling students.

## Skills

**Languages:** TypeScript, CSS, SCSS, SQL, Python, Java, VisualBasic.net (VB.net), C, C#, C++, Dart, Bash, AWK

**Technologies:** Git, Docker, Docker Compose, Node.js, NVM, NPM, Remix.js, React.js, Gatsby.js, Angular.js, Express.js, Next.js, Svelte 3, UNIX, JavaFX, PostgreSQL, SQL, MongoDB, Flyctl

**Productivity:** Figma, Notion, Microsoft Teams, Trello, Slite

## Projects

### LinkedHub (Hackathon)

January 2022

#### Miami Hack Week

- Won first place with a **chrome extension** that extends LinkedIn's native features.
- Improves the user experience for recruiters to view an applicant's GitHub.
- Uses GitHub's **graphql** API to retrieve information like projects, contributions, and displays them on LinkedIn.