Josias Chevalier

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EDUCATION

Florida International University   Miami, FL
Bachelor of Arts in Computer Science   *Spring 2021 – Fall 2023*

Broward College   Fort Lauderdale, FL
Associate of Arts in Computer Engineering   *Spring 2017 – Spring 2019*

EXPERIENCE

Software Engineer Intern   June 2023 – August 2023
Amadeus   *Miami, FL*

- Engineered a full-stack web application that automated the current compliance reporting system for the organization (as well as sister units). The project consisted of a ReactJS component, Spring-Boot Application, and SQL Server DB working together to pull data from Qualys Nano reports and build meaningful dashboards.
- Implemented, with Java Spring and Apache POI, server side logic to iterated through huge amount of data from excel reports and organized information into data structures to feed into the front-end and DB. The Spring application was also responsible for notifying users when a new report was delivered (Java Mail) and incorporating Hibernate to streamline the management of the application's data layer. The React component leveraged libraries such as Axios, MaterialUI, React Tables, and ChartJS (rendering the graphs)
- Built regression tests for the sake of documentation fidelity and quality assurance using frameworks such as jUnit and Mockito.
- Deployed the application on an internal Azure VM with Nginx to reverse proxy the Spring APIs and establish SSL/TLS certificates. Additionally, instantiated a Jenkins server to handle automating CI/CD pipeline jobs triggered by Bitbucket Webhooks.
- The complexity of the entire project was finally simplified into documentation and presented to application managers to ensure its prolong life as an Amadeus internal tool.

Support Engineer   February 2023 – May 2023
Addigy   *Miami, FL*

- Responded to support requests from end users and patiently walked individuals through extensive troubleshooting tasks.
- Developed and deployed bash scripts that automated tasks and improved efficiency for the clients.

Programming Instructor   February 2023 – May 2023
Whizara   *Miami, FL*

- Created an encouraging and supportive learning environment conducive to learning and challenging students to further develop problem solving skills using coding.
- Assisted and guided the students with projects within the scope of the concepts covered in the course: Scratch and python.

PROJECTS

Smoothie-Of-The-Day.com | *Java Spring-Boot, Hibernate, MariaDB, ReactJS, MaterialUI CSS, AWS BeanStalk/RDS*

- Developed a full-stack web application that delivers a novel smoothie recipe daily. Utilized Axios for seamless data interaction between the front-end, back-end, and the Unsplash API, which provisions images based on the daily smoothie concoction
- Implemented business logic and APIs using Java Spring, fostering a dynamic exchange of data with the ReactJS front-end. The server infrastructure facilitates secure connections with the relational database, enabling users to seamlessly add and rate recipes from the client-side interface.
- Hibernate is used for managing the application's data layer and enabling seamless interaction with the database, and Spring Schedule was used to manage automated tasks, such as updating the smoothie recipe of the day.

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL (MySQL/MariaDB/MicrosoftSQL), JavaScript, HTML/CSS, Bash, PowerShell
Frameworks: React, Node.js, ExpressJS, Spring-Boot, Hibernate, JUnit, Mockito, DJango, .NET
Developer Tools: Git, Jira, Jenkins, Bitbucket, Github, AWS, Azure, Nginx
Libraries: Apache POI, ChartJS, Material-UI, Java Mail, Axios