

CHRISTOPHER SIMPSON

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Coding Skills Java, Python, JavaScript, HTML, CSS, SQL, AWS, Kafka.js, Amazon S3, Spring, Express.js, Node.js, React.js, Redux, Sequelize, Docker, Flask, SQLAlchemy, PostgreSQL, GIT, Restful APIs, OOP, Agile Development

Experience

TeamWyrk, Software Engineering Team Lead Charlotte, NC (Remote) Oct 2023 - present

- Agile methodologies and bi-weekly scrum ceremonies were used to coordinate development teams using Jira tickets and Figma boards.
- Appropriated background knowledge of Spring framework to efficiently learn the Firebase Backend-as-a-Service and help other developers on the team troubleshoot and debug, increasing the productivity of other junior developers by more than 30% in concurrent sprints.
- Implemented CI/CD pipelines, incorporating HTML and CSS for front-end styling, adhering to WCAG guidelines, automating the release process, and reducing deployment time by 40%.

Grade Potential Tutoring, Collegiate Level Tutor San Francisco, CA (Remote) Oct 2019 - present

- Demonstrated a track record of helping students achieve higher grades, academic awards, and a deeper appreciation for subject matter such as algebra, trigonometry, calculus, biology, chemistry, and programming.
- Adjusted teaching methods to accommodate diverse learning styles and academic backgrounds, ensuring the success of a wide range of students.
- Instructed students in effective time management techniques to balance their academic workload and improve productivity.

Denali Performance LLC, Art Director York, SC Jan 2021 – Sep 2021

- Managed and led a team of up to 10 employees to produce art layouts based on customer visions and ideas to meet fulfillment and shipping deadlines ranging from 2 to 14 days.
- Collaborated with off-site personnel in other states to troubleshoot and debug issues, involving HTML and CSS for UI enhancements and other devices such as employee time-management systems.
- Developed and maintained database relationships within J2EE applications, utilizing technologies like Java Database Connectivity (JDBC) for seamless connectivity and data retrieval.

Projects

Wizlet (Python, Flask, SQLAlchemy, PostgreSQL, JavaScript, React, Redux) [Live Site](#)[Github](#)

Learning website based on public and private folders of user-created sets with question flashcards.

- Constructed RESTful APIs with Flask blueprints and Python decorators, which enable smooth communication between front-end and back-end systems and facilitate third-party integration.
- Applied SQLAlchemy's relationship and foreign-key features to normalize and maintain strong relationships between database tables, enabling precise data access from PostgreSQL.
- Implemented Global-State-Management in React with Redux to ensure smooth and consistent data flow across components to update and track the most recently uploaded public Folders and Sets.
- Designed a responsive user interface using HTML, CSS media queries, and Flexbox, ensuring an optimal user experience across various devices and screen sizes.

Webear (Python, Flask, SQLAlchemy, PostgreSQL, React, Redux, Victory JS) [Live Site](#)[Github](#)

Stock Trading Simulation with live updating portfolio stocks and simulated charts.

- Instituted efficient database schemas with a normalized Redux Store object tree for optimized data access speeds.
- Eliminated redundancy and improved data integrity by using the useSelector hook to access specific slices of state, ensuring proper querying and maintaining accurate records with SQLAlchemy.
- Collaborated with a team of three software developers in daily scrums and implemented agile methodology and a custom GitHub branching policy to ensure the feasibility and optimal integration of the application user experience within the group infrastructure.
- Added Chart JS library to simulate stock portfolio charts from user-only accessed data in the dashboard when logged in and to simulate a chart for each stock's details

Education

App Academy (Immersive FullStack Developer Course), San Francisco, CA 2023

Winthrop University (Bachelor of Arts (BA) in Educational Development), Rock Hill, SC 2021

York Technical College (Computer Engineering Transfer Program), Rock Hill, SC 2015

50+ hours of Total Regionally Accredited Collegiate Computer Science Coursework