JOHN SANTIAGO

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EDUCATION

City University of New York, College of Staten Island   Staten Island, NY

Bachelor of Science in Computer Science   May 2024

Relevant Coursework: Internet Data Communications and Security, Object-Oriented Software Design (Java), Computer Architecture, Data Structures and Algorithms, Operating Systems, Database Systems, Analysis of Algorithms

EXPERIENCE

HubSpire   New York, NY

Software Engineer Intern   June 2024 – Aug 2024

- Integrated GraphQL and Apollo Client for efficient data management and API interactions, significantly enhancing application performance and scalability
- Designed and implemented complex UI components, including scrollable elements and interactive touch interfaces, to create a seamless and intuitive user experience across mobile and web platforms
- Implemented end-to-end state management and data handling solutions, leveraging Redux, Zustand, and Apollo Server to optimize app performance, enable seamless data synchronization, and improve overall user experience
- Collaborated in an agile development environment, participating in sprint planning, and code reviews

Amazon, Inc   Staten Island, NY

Fulfillment Associate   Aug 2021 – Feb 2024

- Maintained peak productivity rate of 270 boxes/hour, ensuring optimal order flow and inventory processing.
- Supported warehouse inventory accuracy and efficiency during high-volume periods

Software Engineer Fellow   Staten Island, NY

NYC Tech Talent Pipeline   June 2023 – Aug 2023

- Completed a full-stack development program focused on best development practices in an agile environment and mastering technical skills including JavaScript, Node.js, Express.js, React, PostgreSQL, and AWS.
- Led a team of 3 and contributed to the development of a full-stack application from design to deployment.

PROJECTS

Fashion Tap   Aug 2024

Technologies: React Native, TypeScript, GraphQL, Redux, Restyle, Expo, ApolloClient

- Developed a dynamic mobile application that allows users to browse, add to cart, and purchase fashion items with a seamless user interface
- Integrated with a custom GraphQL API to fetch and display fashion items, manage user profiles, and maintain a stateful shopping cart
- Utilized Redux for efficient state management and Restyle for consistent and theme-aware UI design, ensuring a responsive and visually appealing user experience across different devices

Flex Fusion   Jun 2023

Technologies: React, Tailwind CSS, Express, Node.js, PostgreSQL, AWS

- Developed a fitness application in a team of 4 with features including workout plan creation, progress tracking, meal nutrition analysis, and AI-generated workout routines
- Leveraged Node.js, Express.js, and Sequelize, to persist workout and progress data to a PostgreSQL database
- Integrated the OpenAI API to generate personalized workout plans based on user responses to a quiz
- Effectively deployed the web app using AWS EC2 with Route 53 and configured Nginx to handle HTTPS traffic

ConnectX   Dec 2023

Technologies: Java, Firebase, XML, Android Studio

- Developed Android networking app within a team of 4 using Java & Firebase for user authentication & real-time database
- Implemented swipeable card interface, secure authentication via Firebase, and real-time messaging for users to match, connect, and network

SKILLS

Programming: JavaScript, TypeScript, Python, Java, C++, HTML/CSS, SQL

Technologies: React, Node.js, Express.js, Redux, Tailwind CSS, PostgreSQL, SQLite, MongoDB

Developer Tools: Git, GitHub, Amazon Web Services (AWS), Linux, RESTful API, Postman, Jest, Figma