

Brian St-Juste

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EDUCATION

UNIVERSITY AT ALBANY

Bachelor of Art

Major in Computer Science, Minor in Informatics

Relevant Coursework: Data Structures and Algorithms, Introduction to Data & Databases, Operating Systems, Computer Architecture and Organization, System Fundamentals, Principles Programming Languages, Introduction to Computer Programing, Software Engineering,

Albany, NY
Jan 2023 - Dec 2025

MONROE COLLEGE

Associates In Computer Information Systems

Dean's List Honoree: Achieved academic excellence by consistently making the Dean's List

Relevant Coursework: Advanced Programming, Object Oriented Programming, Programming Logic with C++, Web Design Technology, Systems Analysis & Design, Database, CCNA I & CCNA II

New Rochelle, NY
Aug 2021 - Dec 2022

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN | Healthfirst

New York City | June - August 2024

- Created a Chrome extension AI chatbot that improved work efficiency and productivity by 17%, streamlining workflows and enhancing user experience.
- Developed a new feature that directed prospect members to a form after they chose their primary care physician (PCP), improving new member enrollment by 8%. This new feature helped Healthfirst reach the 2 million member benchmark.
- Rotated between software engineering and program management, collaborating with two teammates to spearhead initiatives that enhanced user accessibility and system efficiency. Built and enhanced the web application's frontend using React.js and backend using Python, AWS, and AWS Lambda. Utilized AWS DynamoDB for database management and Amazon S3 for storage solutions.
- Created robust and efficient REST APIs for seamless data integration and storage. Optimized backend processes and API calls, including those using AWS Lambda, resulting in a 20% reduction in response times, significantly improving the application's performance.

PROJECTS

ADVANCED JOB BOARD WEBSITE | Product Manager/ Developer Role (Nov 2023)

- Led a team to create a high-performance job board website, inspired by the functionality and user experience of LinkedIn and Glassdoor, aiming to surpass these platforms in efficiency and features.
- Achieved a 10% decrease in application errors and a 13% reduction in system downtimes through rigorous optimization and testing.
- Successfully implemented innovative features such as AI-driven job matching, real-time notification systems, and interactive company culture profiles, contributing to a 11% growth in job opportunities and a 13% increase in revenue.

PROGRAMMING LANGUAGE COMPILER | Developer (Jan – April 2024)

- Engineered an interpreter for Python, using Java, which included comprehensive stages of lexical analysis, parsing, and semantic analysis, significantly enhancing interpretative accuracy for complex scripts. This interpreter can be easily modified for any programming language.
- Formulated and integrated advanced error handling mechanisms, boosting the interpreter's reliability and fault tolerance by over 20%, ensuring smooth execution even under edge-case scenarios.
- Optimized the development and testing pipeline for BASIC, Python, and Kotlin code, promoting a culture of experimentation and improving developer productivity by approximately 15%, thereby accelerating project timelines and innovation.

WEATHER DASHBOARD APPLICATION | Developer (May 2024 - Present)

- Implements a Python application using APIs like OpenWeatherMap to fetch and display precise real-time, forecasted, and historical weather data, ensuring high data accuracy for various geographic locations.
- Integrates sophisticated error handling and data caching mechanisms, increasing application resilience and performance by over 30%, ensuring consistent functionality under diverse conditions.
- Streamlines the user interface and backend processes, significantly boosting system responsiveness and developer productivity by 25%, leading to quicker project iterations and improved user engagement.

LEADERSHIP EXPERIENCE

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) | Member

Albany, NY | Jan 2023 – Present

- Participated in projects promoting innovation and technological growth within the Institute of Electrical and Electronics Engineers (IEEE), Albany, NY, since January 2023.
- Contributed to coding workshops, enhancing programming skills among members, playing a supportive role in the community's development.

SKILLS

- Programming Languages: Java, Python, Kotlin, Objective-C, Swift, PHP, Ruby, C, C#, C++, JavaScript, HTML, CSS, SQL..
- Web Development: Skilled in web technologies such as React, Django, Azure, AWS, VMWARE.