# Brian St-Juste

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[Linkedin](#) | [Github](#) | [Portfolio](#)

## EDUCATION

**UNIVERSITY AT ALBANY**                                    **Albany, NY**
**Bachelor in Computer Science, Minor Informatics**         **January 2023 - December 2025**
**Relevant Coursework**: Data Structures and Algorithms, Introduction to Data & Databases,
Operating Systems, Computer Architecture and Organization, System Fundamentals, Software Engineering.

**MONROE COLLEGE**                                          **New Rochelle, NY**
**Associates In Computer Information Systems**              **August 2021 - December 2022**

## WORK EXPERIENCE

**Software Engineer | Healthfirst**                         **New York City | June - August 2024**
- Developed **Helpfirst**, a Chrome extension **AI chatbot** for **100+ internal developers**, increasing productivity by **8%** through tailored web development **LLMs** and a customizable user interface.
- Built Care Connect, a consumer-facing form that guides an estimated **500,000 prospective members** to select a primary care physician (PCP). Data is processed via a **POST API** to **AWS Lambda** and stored in **DynamoDB**, boosting enrollment by **8%** and helping Healthfirst finally reach **2,000,000** members.
- Collaborated with UI/UX designers to enhance accessibility, developing the frontend in **React.js** and backend with **Python**, AWS Lambda, **DynamoDB**, and **Amazon S3**, optimizing **REST APIs** to cut response times by **10%**.

**Software Engineer | HeadStarter FellowShip**             **Remote| August - October 2024**
- Developed a Python-based model to predict house prices with **90%** accuracy, using **Linear Regression** and **Random Forest** on **10,000+** data points. Designed interactive visualizations and a **user-friendly interface** to improve usability, reducing query time by **20%**. Collaborated with a team to refine the model through feedback and performance analysis.
- Develop a real-time stock tracker using **Python**, **React.js**, and **Firebase** with data updates every **10 seconds**. Integrate **Yahoo Finance** for live data, and apply an **LSTM model** to predict trends with 85% accuracy. Supports **1,000 users** with interactive charts and customizable watchlists for timely investment insights.

## PROJECTS

**LinkedIn Inspired Website |  Developer**
- Developed a high-performance job board inspired by **LinkedIn** and **Glassdoor**, focused on efficiency and rich features. Independently managed planning, design, and development, implementing **AI job matchin**g, **real-time notifications**, and interactive company profiles with **React.js.**
- Architected a scalable backend using **Node.js**, **AWS Lambda**, **API Gateway**, and **DynamoDB**, resulting in an **11%** increase in job postings, **13%** revenue growth, and reduced errors and downtime by over **10%**.

**Project Management Website|  Developer**
- Developed a **full-stack** project management application using the **MERN** stack (**MongoDB, Express.js, React.js, Node.js**) and integrated Clerk.js for secure user authentication, supporting over **100 users** and improving team efficiency by **15%**. Key features include project creation, **team management**, **role assignment**, and **user story prioritization**.
- Designed a responsive, **user-friendly interface** with **Material-UI,** reducing system downtime by **12%** and leveraging **MongoDB** for dynamic data storage and **Express.js** for efficient backend operations to ensure smooth, reliable performance.

**AdamAI |Developer**
- Built a **GPT-powered chatbot** platform with **1000+ users** and a **92% satisfaction rate**, enabling businesses to create **custom AI models** that reduced manual tasks by **30%**. Key features included personalized bots, data management, and real-time interactions via WebSocket. Secured with **ClerkJS**, the platform managed **1000+** daily requests with zero downtime.
- Built with **NodeJS**, **Flask**, **ReactJS**, and **MongoDB**, it improved engagement by **15%**, retention by **12%**, and reduced operational costs by **20%** through automated customer service and workflows.

**Programming Language Compiler | Developer**
- Developed a **Python** interpreter in Java, incorporating lexical analysis, parsing, and semantic analysis to verify code syntax and generate abstract syntax trees. The flexible design supports modifications for various languages.
- Integrated advanced error handling, enhancing reliability by over **10%** for smooth execution, even in edge cases. Optimized the development pipeline for JavaScript, Python, and Kotlin, fostering experimentation and improving efficiency.

## LEADERSHIP EXPERIENCE

**NATIONAL SOCIETY OF BLACK ENGINEERS | Member**          **New Rochelle, NY/Albany, NY | August 2021 – Present**
- Led the local **NSBE** chapter by organizing coding workshops and collaborative projects and increased club membership by **10%** in one semester through effective marketing strategies, including social media, campus flyers, and partnerships with student organizations

## 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,** and **VMware**