

Brian St-Juste

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

EDUCATION

B.A in Computer Science from SUNY at Albany in Albany, NY

In Progress | 2023 - 2025

A.S in Computer Information Systems from Monroe University in New Rochelle, NY

Graduated | 2022

EXPERIENCE

Software Engineer | Healthfirst

New York, NY | June - August 2024

- Collaborated on **Helpfirst**, an internal Chrome extension AI chatbot for **100+ developers**, boosting productivity by **8%** and improving delivery speed, utilized **React.js** to design a responsive frontend for user input and adjustable settings, providing a highly customizable experience, trained a custom **LLM** using web development datasets and implemented a scalable backend using an **AWS serverless stack** including **Lambda (Python)**, **API Gateway**, and **DynamoDB** for efficient data handling and integration
- Developed **Care Connect**, a feature guiding users to select primary care physicians based on location, language, and care ratings, built the interface and a POST API using **AWS Lambda** and **DynamoDB**, supporting **500,000+ users** during open enrollment and boosting new member enrollment by **8%**, helping **Healthfirst** reach **2,000,000 members**
- Collaborated with **stakeholders, PMs, and UX/UI designers** in an **agile environment** to enhance design and efficiency during each sprint. Delivered **frontend improvements with React.js** and backend optimizations using **Python and AWS**, reducing **backend response times by 10%**

Software Engineer | HeadStarter

Remote | August - October 2024

- Collaborated with a diverse team** of engineers and students in a **competitive fellowship program**, leading the design and development of **seven user-friendly projects** over a 7-week period
- Built an **AI-powered** playlist generator and recommendation application using **Python** and **machine learning algorithms**. Integrated **Spotify's API** for real-time data and implemented a **React.js frontend**, increasing engagement rates by **15%**
- Developed a real-time fitness tracker and analytics platform, supporting **1,000+ users**. Combined live data from wearable devices with a predictive model using **LSTM algorithms**. Designed interactive dashboards with **React.js** and utilized **Firebase** for secure, real-time data management, boosting user retention by **12%**

Tutor | University at Albany

Albany, NY | August 2023 - Present

- Mentor and tutor **150+ students** in 200- and 300-level computer science courses, adapting to diverse learning styles to teach algorithms, data structures, object-oriented programming, and software development principles, enhancing understanding of complex concepts.

PROJECTS

AdamAI | Full Stack Developer

Github | [View Project](#)

- Built a GPT-powered chatbot platform using the MERN stack (**MongoDB, Express.js, React.js, Node.js**) and **OpenAI API**, serving **1000+ users** with a **92%** satisfaction rate
- Collaborated with a team of four engineers, focusing on backend development and database optimization to ensure scalability and efficiency. Implemented advanced features like personalized bots, **data management**, and real-time interactions via **WebSockets**, reducing manual tasks by **30%** and streamlining workflows
- Designed and styled the website, creating intuitive and responsive UI components using **React.js** and **Material-UI**, enhancing user experience and engagement. Ensured seamless integration between frontend and backend systems, maintaining high performance and reliable functionality across the platform

LinkedIn Inspired Website | Lead Developer

Github | [View Project](#)

- Led a team to develop a high-performance job board website inspired by LinkedIn and Glassdoor, with the goal of surpassing these platforms in efficiency and features. Organized planning meetings, assigned workloads, and contributed extensively to development tasks
- Designed and implemented the backend using **AWS services** including **AWS Lambda in Python** for serverless computing, **Amazon API Gateway** for managing **API calls**, and **AWS DynamoDB** for scalable database management, ensuring robust data storage and efficient **API interactions**
- Achieved a **10% decrease** in application errors and a **13% reduction in system downtimes** through rigorous optimization and testing
- Developed innovative features such as AI-driven job matching powered by machine learning, real-time notifications via **WebSocket integration**, and interactive company culture profiles

Project Management Website | Full Stack Developer

Github | [View Project](#)

- Developed a project management application using the MERN stack (**MongoDB, Express.js, React.js, Node.js**) with **JavaScript** throughout, supporting **1,000+ users** and improving team efficiency by **15%**
- Implemented features such as project creation, team management, and role assignment. Designed a **user-friendly interface**, reducing system downtime by **12%** and ensuring reliable performance through **backend optimization**

Programming Language Compiler | Back End Developer

Github | [View Project](#)

- Created a Python interpreter in **Java** with **lexical analysis, parsing, and semantic analysis**, supporting syntax verification and abstract **syntax tree generation**
- Enhanced reliability by **10%** with advanced error handling and optimized the development pipeline for multiple languages, improving efficiency and fostering experimentation. The design allows for easy modification to accommodate different programming languages

LEADERSHIP EXPERIENCE | CLUBS

National Society of Black Engineers | Board Member

New Rochelle, NY/Albany, NY | August 2021 – Present

- Organized coding workshops and collaborative projects, driving a **10% increase** in membership within one semester through effective marketing strategies, including social media campaigns, campus flyers, and partnerships with student organizations

SKILLS

Languages: JavaScript, Python, Bash, Kotlin, Swift, C, C#, C++, Java, HTML, CSS, SQL

Tools, Software and Frameworks: React, Django, .NET, .Next.js Azure, Docker, AWS, JupyterNotebook, Git, PowerShell, Flutter, Flask, Django, VMware, and MongoDB