

# Ajani Green

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## EDUCATION

**The University of the West Indies** (*B.S. Software Engineering | 3.97 GPA*) (September 2022 - May 2025)

- **Relevant Coursework:** Analysis of Algorithms (Data Structures & Algorithms), Object Oriented Programming, Object Oriented Design & Implementation, Software Engineering, Dynamic Web Development, Discrete Mathematics

**Campion College** (*Honour's High School Diploma*) (September 2015 - July 2022)

## WORK EXPERIENCE

**Particular Presence Technologies Ltd** (June 2024 - August 2024)

*Software Development Intern*

- Designed and implemented a scalable web application from inception to deployment using **AWS services**, including Lambda, DynamoDB, S3, CloudFront, SNS, SQS, ECS, OpenSearch, and Rekognition.
- Assumed the role of team lead, delegating tasks, coordinating development efforts, and guiding peers in the implementation of key features.
- Designed and implemented a **CI/CD pipeline** to automate build, test, and deployment processes, including automatic creation of isolated production environments for each merge request which resulted in a **30% increase** in productivity.
- Participated in an agile development environment, regularly reviewing and improving code, iterating on features, and presenting progress in bi-weekly demos.
- Delivered a **20,000+ line project** after **300+ hours of development**, resulting in a high level of client satisfaction with the final product.

**Freelance Web Development** (January 2024 - Present)

- Designed and developed responsive, user-centric websites using ReactJS and TypeScript, ensuring seamless performance across all browsers and devices.
- Collaborated closely with clients to understand their unique business goals, translating them into intuitive, functional web applications that drive engagement and conversions.
- Managed the full web development lifecycle, from initial concept and wireframing through to testing, deployment, and ongoing maintenance, ensuring timely and efficient delivery of projects.
- Proactively identified and resolved complex web development issues, maintaining high standards of quality and performance while staying current with emerging technologies and trends.

## PROJECTS

**DreamLogger** | Next.js, TypeScript, Prisma, AWS (*Solo Contributor and Maintainer*) (October 2023 - Present)

- Designed and implemented a captivating front-end with custom components, global state management, and efficient data fetching, ensuring a secure user experience through HTTPS, asymmetric client-server encryption, and secure cookies.
- Deployed DreamLogger on AWS, leveraging services such as S3, CloudFront, and Route53, leading to a **50% reduction** in page load times and enhancing scalability to accommodate a **10x increase** in user traffic.
- Implemented robust user authentication and authorization with Next-Auth, Google's OAuth provider, and various security measures, guaranteeing data protection and privacy.

**Robertify** | Kotlin/Java, Next.js, NestJS, Redis, Spring (*Solo Contributor and Maintainer*) (September 2021 - Present)

- Developed a music bot that seamlessly integrates with a wide range of music sources, including YouTube, Spotify, and Deezer, catering to diverse user preferences.
- Demonstrated proficiency in architecting and managing interconnected microservices, utilizing technologies such as NestJS, Java Spring, Ktor, and Redis.
- Deployed the bot, serving a vast and diverse user base of over **800,000** individuals worldwide, showcasing the project's significant reach and influence within the user community.

**MD-GPT** | Kotlin/Java, Next.js, NestJS, Redis, Spring, MongoDB (*Contributor*) (September 2023 - Present)

- Developed an innovative web application during an AI hackathon hosted by the Jamaica Artificial Intelligence Alliance (JAIA), leveraging **artificial intelligence (AI)** to aid healthcare professionals in diagnosing patients
- Utilized a **GPT-3.5 turbo** model trained on **hundreds of thousands** of real-life doctor-patient conversations, ensuring the application delivers accurate and contextually relevant diagnostic support to medical professionals.

## SKILLS

**Certifications:** AWS Partner: Technical Accreditation

**Programming Languages:** Kotlin, Java, Javascript/Typescript, CSS, HTML, C/C++, Python, SQL, Bash

**Programming Frameworks & Libraries:** ReactJS, Next.js, Express, NestJS, TailwindCSS, Sass, Java Spring