FREDERICK GO

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EDUCATION

Dalhousie University   Sep 2020 – May 2023
Bachelor of Computer Science, Minor in Statistics (GPA: 4.15 / 4.3)   *Halifax, NS*
- Certifications: Communication Technologies and Cyber Security, Data Science

PROJECTS

freddiego.dev | *NextJS, Sanity.io, TailwindCSS, TypeScript, Vercel, etc.* [Visit]   Mar 2024 - Present
- Continuously evolving personal portfolio website using NextJS and advanced features to showcase my expertise
- Ensured good user experience across devices with responsive design principles and multi-languages via internationalization
- Implemented headless CMS with Sanity.io to showcase my projects and other assets
- My portfolio website serves as a testing ground for exploring and mastering emerging technologies

Parkbom Academic Institution Website | *NextJS, AWS, Kakao Map API, etc.* [Visit]   Jan 2024 - Mar 2024
- Led the development and launch of a responsive website using NextJS ensuring 99.99% uptime via Vercel
- Developed a website leading to 20%+ increase in incoming inquiries with many questions answered prior to appointments
- Collaborated with cross-functional stakeholders to gather feedback including modifying based on business requirements

NotifyAll | *AWS (EC2, DynamoDB, Lambda...), NextJS, Python, Docker, Vercel, etc.* [Demo]   Jan 2023 - Apr 2022
- Developed and deployed a fully functional web SaaS leveraging IaaS's on AWS
- Built a user-friendly React frontend with NextJS connected to AWS database services via HTTP requests and RESTful API
- Architected and implemented application specific architecture within the AWS ecosystem, utilizing AWS micro services including EC2, Lambda, API Gateway, DynamoDB and others
- Successfully established a Multi-Cloud environment through AWS and Heroku integration for possible transitions or outages
- Implemented user authentication safely with industry-standard AES-256 ensuring user information privacy

Trello Platform Clone | *Java, JUnit, JavaScript, React, Material UI, MySQL, etc.*   May 2022 - Aug 2022
- Collaboratively built a Trello clone, a meeting management platform, using agile principles in a team environment, following the team's UML created, and following SDLC, software development lifecyle
- Led the development of interactive React frontend with Material UI, also ensuring smooth data retrieval via HTTP requests
- Contributed to robust backend infrastructure with Java and JUnit testing for reliability and robust functionality

EXPERIENCE

Full-stack Developer *(freelance/volunteer)*   Dec 2022 - Dec 2023
St. Joseph's Children's Centre   *Halifax, NS (On-call/hybrid)*
- Revitalized and updated the organization's website, on WordPress & PHP, to ensure accurate and current information
- Addressed prior site neglect, resolving issues promptly and ensuring the site now provides up-to-date information
- Resolved issues with email inquiries resulting in clients in interest sending emails via a form easily

TECHNICAL SKILLS

Languages: Java, Python, CC#, MySQL, JavaScript, TypeScript, HTMLCSS, PHP, R
Frameworks: Next.js, React, TailwindCSS, JUnit, Material UI, Bootstrap
Tools/Libraries: Pandas, NumPy, Matplotlib, ScikitLearn, Git, Docker, AWS, VSCode, Wireshark, MongoDB, DynamoDB
Others: Vercel, Node.js, Scrum, Agile, RestAPI, IDEs (VSCode, IntelliJ), Figma, Microsoft Office

CERTIFICATIONS & AWARDS

- Google Data Analytics Certificate
- Sexton Scholar/Distinctions (Dalhousie University): Awarded to those who maintain 3.85+ GPA

LEADERSHIP & VOLUNTEER EXPERIENCES

Course Representative - Dalhousie University
- Served as a course representatives for multiple courses to represent the classes
- Organized feedback, and resolved raised concerns with the professor. Developed strong leadership, and communication skills

Sunday Suppers - St. Andrew's United Church Halifax
- Contributed to community outreach by assisting with food service and beverage provision during weekly Sunday Suppers