Long Nguyen

Software Engineer

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Portfolio: longnguyen-vhoang.vercel.app

EDUCATION

Honours Bachelor of Technology – Software Development   *2023 - 2024*

Seneca Polytechnic (Graduated), Toronto, ON

Advanced Diploma in Computer Programming & Analysis   *2020 - 2023*

Seneca Polytechnic (Graduated), Toronto, ON

WORK EXPERIENCE

Intuit Canada   Toronto, ON

Web Analyst (Contract Full-time)   *Aug 2024 – present*

- Implemented new features for online tax software using **React** with **Typescript**, **Redux**, and **Sass** and developed back-end **APIs** using **Node.js**, **GraphQL**, and **Python**.
- Using **Python** to write automation tools to auto-generate the up-to-date form to work on the **ProFile** app, the process improved by 70%.
- Resolve defects/bugs during **QA** testing, pre-production, production, and post-release patches.
- Working in the **SCRUM** team with **other developers**, **QA**, and **tax analysts** to create features across the software.

DXC Technology   Toronto, ON

Software Developer (internship)   *April 2023 – April 2024*

- An application is designed for PD patients to **record** their symptoms and spiral drawings and send them to their neurologist.
- Help patients who live in remote areas or have mobility issues; it will improve access to their neurologist and may reduce the need for a face-to-face appointment to **90%** using our platform.
- Iterated platform for patients, collaborating with a group of **5 engineers** to create features across the software.

Ministry of Children Community and Social Services Ontario   Toronto, ON

Software Engineer in Test (internship)   *January 2022 – August 2022*

- Constructed the logic for a streamlined Family violence court platform that scaled to **300+ cases** with a **group of 5 students**, which improved the page speed **by 15%** after implementation.
- Using **Selenium** to build a unit testing infrastructure for a client application that reduced the number of reported failed cases by **11%** month over month.
- Participated in code reviews and paired programming, resulting in a **30% reduction** in code **defects**.

RELATIVE PROJECTS

Portfolio – NextJS, TypeScript, Three.JS, TailwindCSS, MongoDB, Framer Motion, WebGL, Canvas   *Jan 2024 – Current*

- Utilizing **React**, **Three.JS** and **WebGL**, my portfolio offers an immersive 3D experience that enhances visualization and engages visitors, improving user interaction by over 50%.

Fragment Upload – AWS, JavaScript, S3, EC2, DynamoDB, Docker, GitHub Workflow   *Nov 2023 – Dec 2023*

- Using AWS for the application allows users to upload content to online storage sites like Google Drive or OneDrive.

VOLUNTEER PROJECTS

- **Sound Director – Taste of Vietnam/Southeast Asia**: A festival of Vietnamese food & culture funding to Stop human trafficking and A better future for kids. More than **60,000 people** attended **3rd biggest** event at Nathan Phillips Square.
- **Computer programming Mentor – SMILE**: Helping more than **1000 students** with their program, homework and questions.

TECHNICAL SKILLS

- **Programming Languages:** C/C++, C#, Perl, Ruby, JavaScript, TypeScript, Java, HTML5, CSS3
- **Frameworks:** ReactJS, Angular, NextJS, Tailwind CSS, RxJS, WebGL, Canvas
- **Cloud Computing Platforms:** AWS, Vercel, Firebase, Microsoft Azure, Heroku, Linux/Unix
- **Others:** Docker, Splunk, ElasticSearch, Kafka, Jenkins, Figma, Git, RESTful APIs, MySQL