Maosen Chen

Full Stack Software Engineer

Experience

2020.1 - Present — **Software Developer**, *Scotiabank*, Toronto, ON.
Building help and search platform that serves Scotiabank customers globally.
- Built responsive and accessible UI features and components for the Scotiabank Help Centre using **React**.
- Developed **Node.js** based REST APIs, used by applications globally within Scotiabank.
- Enabled configurable UI templates to allow the team to bootstrap new pages without code deployments.
- Migrated UI application to **Next.js**, resulting in improved performance and maintainability.
- Actively involved in the Scotiabank web development community by giving presentations in learning sessions and contributing to shared component library.

2017.12 - 2019.12 — **Software Engineer**, *Airline Software Company*, Toronto, ON.
Building high-performance and scalable software solutions for key players in the airline industry.
- Implemented user interface infrastructure and UI components using **React** and **Redux**.
- Developed **Node.js** based servers that coordinate functionalities across microservices and serve front-end via **GraphQL** APIs.
- Built event-driven microservices in **Golang** with **RabbitMQ**.
- Developed tools and infrastructure to enhance the UI development process across all projects.

Education

2015 - 2017 — **M.Eng in Electrical and Computer Engineering**, *University of Toronto*, Toronto, ON.
Related Courses: Algorithms and Data Structures, Design Trade-offs in Digital Systems

2011 - 2015 — **B.Eng in Electrical and Electronics Engineering**, *The University of Manchester*, Manchester, UK.
Related Courses: C Programming, Embedded Systems Programming

Technical Skills

Languages, JavaScript (ES6, ES5), TypeScript, Golang, Java, C, Python.
Front-end, React, Redux, Next.js, Webpack, Sass, Storybook, Jest, Selenium.
Back-end, Node.js, Express.js, GraphQL, MongoDB, Postgress, RabbitMQ, Redis.
Tools, Git, Docker, Kubernetes, CI/CD, AWS, Chrome Developer Tools, CMS.

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