

Maosen Chen

Full Stack Software Engineer

Experience

- 2017-Present **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.
 - Contributed to various aspects of the engineering process in a cross-functional team (i.e. Agile, architecture and design, best practices, code reviews, etc.).

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

Personal Projects

- Live | Github **maosen-chen.me**.
My personal portfolio website (HTML, Sass, JavaScript, jQuery, Webpack, Photoshop).
- Implemented typing animation and interactive user interface using **JavaScript** and **jQuery**.
 - Wrote modular CSS following **BEM** methodology.
 - Responsive web design using media queries.
- Live | Github **Voting App**.
Online voting platform that enables authenticated users to vote and create their own polls (React, Redux, Node.js, Express.js, MongoDB, D3.js, Webpack, Babel).
- Developed back-end **REST API** using **Node.js** and **Express.js**.
 - Designed **MongoDB** database schema to model user and voting data.
 - Built front-end user interface using **React** and **Semantic UI**, visualized poll data using **D3.js**.
 - Implemented server-side rendering for faster page display and better SEO.
- Live | Github **Tic Tac Toe Game**.
Minimalist Tic Tac Toe game with unbeatable AI (HTML, CSS, JavaScript).
- Animated user interface using **JavaScript** and **CSS**.
 - Developed unbeaten AI by implementing min-max algorithm.

Technical Skills

Languages, JavaScript (ES6, ES5), TypeScript, Golang, Java, C.
Front-end, React, Redux, jQuery, Bootstrap, D3.js, Webpack, Storybook, Jest, Selenium.
Back-end, Node.js, Express.js, hapi.js, GraphQL, MongoDB, Postgress, RabbitMQ, gRPC.
Tools, Git Version Control, Docker, Kubernetes, CI/CD, AWS, Chrome Developer Tools.

Toronto – ON

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