**Lucas Morgan**

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**Senior Software Engineer**

**React | Node.js | TypeScript**

Experienced Senior Software Engineer with over a decade of expertise in developing high-impact web and mobile applications as well as enterprise-level solutions across industries such as e-commerce, finance, healthcare, and technology. Driven by a passion for leveraging technology to solve complex challenges, committed to continuous improvement, fostering collaborative team dynamics, and delivering exceptional results in dynamic environments.

**Work Experience**

**Walmart** - *Remote* Jan 2022 – Present

**Senior Software Engineer**

* Developed dynamic and responsive front-end applications using **React.js** and **Next.js** with advanced state management through **Redux, Zustand** and **Context API**, ensuring efficient data flow and maintainability.
* Created reusable components and custom hooks to streamline functionality across projects, leveraging tools like **Storybook** to ensure consistent design and development practices.
* Enhanced user interfaces with modern styling techniques, integrating **TailwindCSS, Sass/SCSS**, and Headless **UI** for scalable and adaptive design.
* Experienced in developing and deploying web applications using **Node.js**, creating scalable server-side solutions, managing **RESTful APIs**, and optimizing HTTP request handling and middleware.
* Worked extensively with **MySQL** and **PostgreSQL** to support both transactional and analytical workloads, ensuring high availability and data integrity across multiple applications.
* Ensured robust application quality through comprehensive testing with **Jest** and **Cypress**, coupled with automated **CI/CD** workflows using **GitHub** Actions for seamless deployment.
* Mentored junior developers, providing guidance through pair programming, regular feedback, and detailed documentation, fostering a culture of collaboration and growth.

**IBM** - *Remote* Nov 2017 – Dec 2021

**Senior Software Engineer**

* Developed scalable full-stack solutions with **React.js** for the front-end and **Node.js** for the back-end, delivering a seamless and responsive user experience.
* Utilized **GraphQL** to optimize data queries, enabling faster and more efficient retrieval of personalized product recommendations.
* Built real-time features with **Apache Kafka**, dynamically updating user experiences based on live interactions.
* Architected serverless solutions using **AWS** Lambda, integrating with **DynamoDB** for scalable and low-latency data storage.
* Enhanced customer engagement with Mapbox-powered visualizations, delivering location-based insights and recommendations.
* Fostered effective project management using **Agile** Scrum and **Kanban** methodologies, ensuring timely delivery of high-quality products through cross-functional collaboration.

**Codal** - *Chicago, IL* Oct 2014 – Oct 2017

**Software Engineer**

* Managed data flow and integration through **RESTful** APIs, ensuring seamless communication between front-end and back-end systems.
* Collaborated within an **Agile** team, focusing on UI development and dynamic interactions using JavaScript, while gaining hands-on experience with back-end development using **Java** and **Spring** MVC.
* Designed, implemented, and maintained **MySQL** databases, ensuring data consistency, integrity, and efficient querying.
* Conducted comprehensive performance validation using testing tools like Selenium, ensuring high-quality and reliable application delivery.

**Education**

**National University of Singapore**

Bachelor of Computer Science, 2010 – 2014

**Technical Skills**

* **Frontend & Styling:** React, React Native, Next.js, Angular, Vue.js, Nuxt.js, JavaScript, TypeScript, Redux, Context API, Zustand, MobX, Jotai, D3.js, MapBox, Three.js, Chart.js, HTML, CSS, TailwindCSS, MUI, Styled Component
* **Backend & DB:** Node.js, Express.js, Java, Spring Boot, Python, MySQL, PostgreSQL, MongoDB, RESTful APIs, GraphQL, WebSockets
* **Cloud & DevOps:** AWS, Azure, GCP, Docker, Kubernetes, Git, CI/CD Pipelines
* **Testing & Quality Assurance:** Jest, Cypress, Selenium, JUnit, Postman, TDD, BDD