

Louis Lam

Software Engineer

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Software engineer with expertise in React and Node.js/Express. Passionate about emerging technologies and personal growth. Enjoys building liquid-cooled PCs and modifying cars.

SKILLS

Languages: TypeScript, JavaScript, HTML5, CSS, SQL, Python

Technologies/Frameworks: React, Redux, Node.js, Express, AWS, OAuth, Jest, CI/CD, MongoDB, PostgreSQL, Git/Github, Webpack, Vite, Next.js, Vercel, Tailwind, Vue, SASS, Visx, GraphQL

EXPERIENCE

Reactime

Software Engineer 2022 – Present

- Integrated a D3 hierarchy and bar charts in a React UI using Airbnb's Visx to display component render time and metrics, resulting in data-driven decision-making
- Spearheaded the adoption of TypeScript within the team, leading to a streamlined and maintainable codebase that allowed for quicker onboarding of new developers.
- Automated and conducted unit testing with Jest to establish quality of code and confidence to expand functionality
- Improved scalability and user experience for a high-traffic website with thousands of daily users by rewriting the splash page from Gatsby to Next.js, resulting in a 30% decrease in load times and a 45% increase in user engagement..
- Mentored other engineers on team and conducted code-walkthroughs, providing feedback and guidance
- Developed a Chrome DevTool to effectively manage and offset technical debt by implementing a robust error handling system that enabled developers to work more efficiently.
- Conducted a comprehensive code review and refactor to address edge cases and improve the overall user experience, producing a more stable and user-friendly application

Eastern Network Express Inc.

Developer 2019 - 2021

- Leveraged SQL database interactions to distribute time-sensitive information and messages to consumers based on consolidations.
- Implemented data integration script to streamline data entry and improve website performance by overhauling and migrating the HTML/CSS codebase into Next.js, integrating the Cloudinary API for faster loading times and improved SEO, and reduced server load by 70% by serving static files remotely.
- Collaborated closely with UX designers to translate design concepts into user-friendly interfaces with pixel-perfect accuracy with cross-browser and cross-device testing to ensure compatibility and consistency across different platforms .

OPEN SOURCE PROJECTS

DiscordNotion

Software Engineer - 2023

Notion Integration tool that utilizes Discord as a medium

- Devised and introduced a Node.js-based feature that allows users to effortlessly create and update blocks within a Notion database directly from Discord, leading to increased productivity and streamlined workflow.
- Communicated with RESTful APIs using asynchronous techniques to handle events properly and allocate consumer data more effectively, resulting in faster and more accurate data handling.
- Introduced advanced features in the Discord Bot that respond to user commands and seamlessly execute inputs based on consumer interactions, creating an intuitive and user-friendly product

Scrumify v2.0

Software Engineer - 2022

Digital Scrum Board to reinforce the principles of Agile methodology

- Created reusable React UI components and design patterns to enhance scaling efficiency and ensure a consistent and seamless user experience throughout the application
- Utilized client-side routing with React Router to minimize server requests and provide a faster and more responsive product to users.
- Designed and optimized the MongoDB database to store various types of task data, delivering optimal performance in data retrieval and faster page load times.
- Utilized Node.js/Express framework's middleware design pattern for isolation of concerns and requests for efficacious debugging

Taskful

Software Engineer - 2022

Task Management Distribution System

- Developed a React front-end system with hooks to reuse stateful logic for multiple components, creating a more modular and maintainable codebase
- Constructed a SQL database with structured schemas to store relational data, ensuring simplified management and consistency
- Integrated secure Google OAuth user log-in to validate credentials and mitigate the risk of data leakage in the event of a malicious attack, providing added convenience to consumers while ensuring the safety of their data.

EDUCATION

Queens College