Mark Lee

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FULL STACK DEVELOPER

TECHNICAL SKILLS

- JavaScript, React.js, Node.js, TypeScript, SQL, Gatsby, GraphQL, HTML5, CSS3/SCSS
- Git, GitHub, JIRA, gulp.js, Unit Testing (Mocha, Sinon, Chai)
- CI/CD, Jenkins, AWS, Docker, OpenShift, Kubernetes, Kafka, Grafana

WORK EXPERIENCE

Northeastern University   Boston, MA
Full Stack Developer   January 2021 – Present
- Saved $100k+ on vendor costs by developing a dynamic form using JavaScript for new admissions platform. Compared to proposed vendor solution, successfully met all requirements and was more performant.
- Owned end to end development of multiple Node.js microservices. Constructed SQL queries from business requirements, set up branches for each database environment, set up CI/CD through Jenkins, hosted Docker images on AWS, and put APIs behind an Apigee proxy layer for security and analytics. Oversaw integrations of APIs with vendors' third party applications. Collaborated with DBAs, PMs, leads in production migration efforts to stay on schedule (100% on schedule targets achieved).
- Developed a Node.js + Typescript microservice that connected Kafka topics which equipped administrators with real time student data updates of the 20,000+ student population.
- Ensured code quality and modularity by writing comprehensive unit tests using Mocha, Sinon, Chai.

Connelly Partners / Dailybreak   Boston, MA
Full Stack Developer   January 2019 – January 2021
- Improved site performance by as much as 30% using React.lazy and Suspense in Dailybreak, an interactive media site with millions in yearly revenue and as many as thousands in concurrent users.
- Worked with cross functional teams: product manager, back end, architect, UI/UX to deliver a modern, fast Gatsby + React / Hooks API setup.
- Built a custom search with multiple filtering and dropdown capabilities, connected to a third party search engine's RESTful API. Drove stakeholder and management approval for adoption of the search engine through discovery based upon client budget, needs, user scope, UX requirements and meticulous research vs. alternatives. Reduced site load time by >50%.
- Followed WCAG accessibility standards, optimized performance using image compression, responsive images, and custom lazy loading.
- Wrote gulp.js build processes and set up Lando containers for projects to streamline local development.
- Ensured front end integrity between build releases through regression testing via Diffy.

Minamisatsuma City Board of Education   Kagoshima Prefecture, Japan
Assistant Language Teacher (ALT)   August 2016 – July 2018
- Taught English to elementary and middle school Japanese students in 9 schools within Minamisatsuma city.
- Took initiative in creating a modern web app to replace the inefficient fax system for scheduling & planning.

EDUCATION

Northeastern University   Boston, MA
Bachelor of Science in Electrical Engineering   May 2016

SKILLS / INTERESTS

Basketball enthusiast - regularly plays pickup and watches the NBA.
Avid learner of spoken languages - can speak / understand Japanese, Cantonese, Korean, in order of fluency.
Aspiring self-sufficient chef - continually adding to personal recipe rotation, which numbers at 20+ currently.