

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), Postman, Diffy
- CI/CD, Jenkins, AWS, Docker, OpenShift, Kubernetes, Prometheus, Kafka

WORK EXPERIENCE

Northeastern University

Boston, MA

Full Stack Developer

January 2021 – Present

- Developed a Node.js + Typescript microservice that read from and fed into Kafka topics which equipped administrators with real time student data updates of the 20,000+ student population.
- Led integration of Kubernetes based OpenShift cluster and ElasticSearch monitoring with Microsoft Teams using Prometheus, ElastAlert2, and AlertManager, increasing transparency into services and availability.
- Created and maintained documentation and ramp up efforts of numerous processes and systems, including CI / CD pipelines through OpenShift / Jenkins / AWS, Apigee proxy setup with microservices, Postman collections setup with custom automated scripts for Apigee OAuth2 authentication.
- Ensured code quality and modularity by writing comprehensive unit tests using Mocha, Sinon, Chai.
- Oversaw vendors in collaboration with DBAs, PMs, leads in production migration efforts to stay on schedule (100% on schedule targets achieved).

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.