

Leslie Ngo

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TECHNICAL SKILLS

Front-end: JavaScript, Typescript, React, React-Bootstrap, webpack+Babel, Mocha, Chai, Jest, HTML, CSS, CSS-in-JS

Back-end: Node.js, Express, Postgres, MongoDB, MySQL, K6, AWS, NGINX, RESTful APIs

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Engineer, Key Frame Guitar, Edutech tool designed for students aiming to improve musical navigation.

- Developed a web application aimed at students of the guitar looking to improve their ability to improvise melodies.
- Reduced the amount of user action needed to construct a harmony diagram by streamlining the UI.
- Produced a web application using modern React.js hooks, Express.js to serve client files, and MongoDB to enable user defined configurations to persist.

Front End Engineer, Catwalk, Ecommerce application for fashion products.

- Developed the “Related Products” module for an e-commerce product detail page.
- Enhanced the response time of the user’s outfit feature from 4s to less than 100ms by developing a solution that hybridized browser local storage and API requests.
- Deployed the app on an AWS instance of a T2.micro using images to facilitate easy duplication.
- Built carousels from scratch as required by our customized design spec.

Back End Engineer, Atelier Product API

Systems that deliver product information from a database to ecommerce applications.

- Deployed an array of EC2 instances behind an NGINX load balancer to sustain 1000RPS.
- Utilized caching on NGINX load balancer to improve server efficiency by 90%.
- Reduced response time in read-heavy systems from 20s to 3s by refactoring blocking legacy code and using query planners to identify and refactor expensive operations within Postgres.

UI Architect Engineer, JobSite, Web application designed for job seekers and employers.

- Led a team to design a seamless user interface using React-Bootstrap
- Designed a calendar component using the FullCalendar library.
- Loaded mock data generated by Mockaroo into Postgres.

EDUCATION

Hack Reactor, Advanced Software Engineering Immersive Program 2021

San Francisco State University, Bachelor of Arts, Broadcasting and Electronic Communication 2018

- Event Officer: Audio Engineering Society of SFSU chapter.
- Best Sound for Picture Award Recipient

WORK EXPERIENCE

Music Instructor, Tunelark & vIbo Music School 2019 - 2021

- Instructed guitar students from a variety of backgrounds with handcrafted and tech-assisted material ranging from introductory to ear training and advanced musical theory.
- Taught music lessons at various schools, including French international Lycée Français de San Francisco.

Education and Audio Intern, 826 Valencia 2018

- Recorded, edited, mixed, mastered, and published approximately 70 student podcasts per week.
- Utilized growth mindset framework to support students’ learning and social-emotional development.