

# Leslie Ngo

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## TECHNICAL SKILLS

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**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

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**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.

**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.

**Front End Engineer**, [PROJECT: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.

**UI Architect**, 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

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**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

## OTHER EXPERIENCE

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**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.