

# Derzan Chiang

derzanchiang1800@gmail.com | 425-375-8117 | <https://www.linkedin.com/in/derzan/> | <https://github.com/MiTo0o> | [derzan.dev](https://derzan.dev)

## TECHNICAL SKILLS

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**Front End:** ReactJS, CSS3, JavaScript ES6, TypeScript, JQuery, HTML5, Material UI, Ionic

**Back End:** Node.js, Express, MongoDB, Mongoose ORM, MySQL, Python, NGINX, Golang

**Testing/deployment:** Jest, React Testing Library, K6, Loader.io, AWS, Heroku, Cloudinary

**Dev Tools:** Git, Webpack, Babel, React Dev Tools, Chrome Debugger, ESLint, Postman API

## SOFTWARE ENGINEERING APPLICATIONS

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**Backend Engineer/Architect** | [Github Link](#) | NodeJS, Express, MySql, NGINX

*Inherited legacy API and converted it into a scaled service*

- Created a SQL script to automate the ETL process to migrate csv into MySql
- Scaled backend service to handle 2,400+ RPS, < 2000 ms response, and 0% error rate by using NGINX load balancer connected to 3 EC2 instances
- Tuned NGINX load balancer to reduce error rate during stress test by > 30%

**Frontend Engineer** | [Github Link](#) | ReactJS, NodeJS, Express

*Created a responsive and interactive Q&A widget for an E-Commerce Clothing Site*

- Reduced page first contentful paint by 0.6 seconds using compression middleware
- Designed and built a responsive Q&A widget with search and filter capabilities using React
- Integrated Cloudinary for storing and delivering user uploaded images

**Fullstack Engineer/Architect Owner** | [Github Link](#) | ReactJS, Typescript, NodeJS, Express, MongoDB

*Built a full-stack, mobile-first application to allow users to manage and track calorie and water intake*

- Set up typescript project backend with development and build scripts
- Implemented web push notifications to alert and encourage users based on their goals
- Designed and developed toast notification on user daily login
- Upgraded service to use HTTPS by using a combination of Caddy and Nip.io

**Songs** | [Github Link](#) | Typescript, Ionic

Dec 2021 - Present

*Church Life Apps*

- Delivered a cross platform alternative to hard copy hymnals for over a hundred users
- Integrated GitHub issues and user feedback, automating user feedback to automatically create a GitHub issue
- Used system preferences and browser local storage to deliver the theme of the app
- Increased user friendliness by adding navigation buttons to move between songs

## EXPERIENCE

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**Edmonds College**

Aug 2021 - Jul 2022

*Part-Time STEM Peer Mentor*

- Provided a more experienced perspective through weekly meetings for students who are interested in computer science
- Mentored and guided students on how to be successful in college
- Taught and reinforce programming fundamentals

## EDUCATION

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**Hack Reactor** | Advanced Software Engineering Immersive, US Remote

2022

- Software engineering immersive program with over 1000+ hours of coding. Full-Stack development with JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an AGILE environment.