

# Joshen Lim

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PORTFOLIO

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GITHUB

[github.com/joshenx](https://github.com/joshenx)

LINKEDIN

[linkedin.com/in/joshenxlim](https://linkedin.com/in/joshenxlim)

## SKILLS

**LANGUAGES** HTML, CSS, JavaScript, TypeScript, Java

**TECHNOLOGIES** React, Next.js, Storybook, Jest, Playwright, React Query, pnpm, Git, vite, styled-components, Tailwind

## WORK EXPERIENCE

### Sea Ltd (NYSE:SE) | Software Engineer, Frontend

June 2024 – Present

- Individually architected and developed AI-powered employee claims frontend application adopted company-wide (80k+ employees and finance accountants), achieving a >99.95% crash-free rate and 96% User Satisfaction Score (CSAT) upon immediate release. **React JS, React Native, TypeScript, Storybook, Sentry.**
- Built a claims experience powered by AI agents using MCPs, schema-driven UI rendering, and agent-initiated user actions (claim lookups, proactive guidance, receipt parsing and validation), reducing manual steps.
- Actively maintained an internal UI component library (Coral) built on **Next.js**, consisting of 70+ reusable components, ensuring consistency and scalability across projects.
- Solely developed features and maintained a 100K LOC frontend application for HR and employee reviews, leveraging modern performance optimization techniques like lazy loading, code splitting.
- Refactored legacy code and increased TypeScript adoption from 18% to 80%, significantly enhancing code quality and maintainability.
- Collaborated closely with backend engineers, product managers, QAs, and designers to ensure seamless delivery of pixel-perfect, accessible features.

### Lalia SG | Full-Stack Software Engineer Intern

Dec 2023 – May 2024

- Spearheaded core product features for Lingosnap, an iOS mobile app to aid Japanese learning built on **React Native, TypeScript, Expo, Next.js, Storybook, Jotai, tRPC, Drizzle, Supabase, Jest, Detox.**
- Single-handedly designed and implemented user authentication, **RevenueCat** in-app purchases, enabling initial monetization of product and facilitating seamless and successful transactions from users.

### Autodesk (NASDAQ:ADSK) | Software Engineer Intern

Jan 2023 – June 2023

- Optimised core Fusion 360 cloud services in **C++** and **TypeScript**, achieving a 98.7% workflow success rate.
- Initiated and drove the full-cycle development of innovative cross-platform UX features, leveraging on existing RESTful APIs to deploy refined solutions, proficiently debug user errors, and single-handedly present reports to senior engineers and architects across North America and APAC regions.

## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Aug 2020 – May 2024

Bachelor of Computing (Hons) in Computer Science + USP

## PROJECTS

### [TaleWeaver](#) | Fullstack Developer

- TaleWeaver is a webapp that leverages on LLMs (OpenAI, SDXL) to generate customizable, illustrated storybooks for children aged 2-6. Built with **FastAPI, ReactJS, Supabase** (PostgreSQL), **Stripe.**
- Integrated user authentication, Stripe payment gateway via webhooks, RESTful APIs, serverless task queues, and notification feature using Observer Pattern.

### Lyrical | ML/Automatic Lyric Transcription

- Developed 'Lyrical', an automatic lyric transcription tool, leveraging advanced machine learning techniques.
- Fine-tuned a pre-trained Wav2Vec2 model using the DSing dataset to achieve high accuracy in transcription.
- Spearheaded **ReactJS + FastAPI** webapp that allows users to generate lyric predictions from WAV files.