

Colin Jao

SOFTWARE ENGINEER



GET IN TOUCH

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ABOUT ME

An accountant turned software developer, who is driven by his creativity and passion for creating modern, impactful tools and applications used to make everyone's life easier.

EDUCATION

- Coding Dojo, San Jose, CA** Mar - Jul 2017
Full Stack Student
- University of Texas, Austin** 2009 - 2014
Master in Professional Accounting

EXPERIENCE

Fannie Mae (Federal Nat'l Mortgage Association) Feb 2018 - Present

Software Engineer II

Micro Front-End Framework | Full Stack Developer

- Co-authored white paper proposing enterprise micro front-end solution for complex applications
- Engineered back-end registry service for publishing and loading web components
- Created command line interface for scaffolding projects and generating new micro front-end libraries
- Developed the loader library used by container applications to load web components from cloud registry
- Configured and provisioned AWS cloud services for production-readiness

Community First | Lead Front-End Developer | <https://communityfirst.fanniemae.com>

- Prototyped as 1st-place hackathon project, shipped an MVP, and secured \$1.5M in funding from company COO executive
- Architected front-end application, implementing common software design patterns and addressing potential anti-patterns
- Led front-end engineering team, reviewing and merging pull requests per user story requirements, and providing feedback
- Collaborated with the real estate asset management team to automate their buying process, reducing contract / offer period to 8 business days
- Coordinated feature delivery with product owner and back-end API developers in an AGILE sprint cadence
- Implemented client-side caching to optimize web performance and server load, user authentication, dynamic form generator, file upload manager, content management system, property map search using Google Maps API

Angular Development Kit (ADK) | Front-End Developer

- Developed reusable UI Angular components at enterprise scale for use in internal web apps and tools
- Redesigned documentation portal for quicker navigation, learning, and implementation
- Unit tested developer kit components, reaching 90% code coverage required by third-party audit
- Injected Google analytics service to track component usage across teams and projects

Audiate Jul - Nov 2017

Personal Project | Full Stack Developer

- Designed a mobile iOS platform app for friends to share songs and create daily playlists
- Integrated Spotify's web API to give end users access to its library of over 30 million songs
- Collaborated with a UI/UX designer to implement logos/branding, colors, and intuitive controls
- Architected a back end RESTful API using Django models and Django REST Framework
- Secured API endpoints using OAuth 2.0 authorization flow to authenticate existing Spotify users

LANGUAGES

JavaScript / TypeScript
Python
Java
Swift
SQL

FRONT END

Angular 2+
ReactJS / Redux
Bootstrap / Material
jQuery

BACK END

Node.js / Express.js
Django / REST Framework
Spring Framework
MySQL
PostgreSQL

DEV OPS

Git
Jenkins CI / CD
Jasmine / Karma
Docker
npm
Amazon AWS
Google Cloud

TOOLS & SOFTWARE

Visual Studio Code
JIRA
Sourcetree
InVision
Adobe Photoshop
Xcode
MAMP

ADDITIONAL INFO

WORK ELIGIBILITY
US Citizen. No sponsorship required.

LANGUAGES
English (Native)
Mandarin Chinese (Conversational)

HOBBIES
Tennis · Basketball · Canvas Printing · Guitar