Garon Fok

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Work Experience

FreeAgent CRM
Campbell, CA
Software Engineer
Nov 2022 - March 2023

- Developed features for web applications using React, JavaScript, HTML, CSS, and REST APIs
- Wrote documentation for integrating email API, reducing onboarding for learning tooling by a week
- Refactored legacy codebase by simplifying platform integration with client database, improving performance by 50%
- Developed and staff report tool with custom UI using React, JavaScript, and CSS, allowing clients to generate customized reports, increasing productivity by 200%

Illiac Software
Champaign, IL
Software Engineer
April 2022 - Nov 2022

- Developed dynamic and responsive notification system using React, TypeScript, HTML, and SASS that improved user navigation by 100%
- Created database migration and API routes for online discussion feature using PHP, Laravel, and Symphony
- Designed frameworks in Redux by refactoring API calls to database, improving performance by 50%
- Wrote unit tests using Cypress to ensure app stability and functionality

Fremont Unified School District
Fremont, CA
Music Director
Aug 2021 - Jun 2022

- Directed over 300 students in musicality and technique through ensemble rehearsal
- Automated the creation of daily lesson plans using Python, reducing time required for planning by 90%
- Used python-pptx Python library to scrape JSON file with class information to generate PowerPoint presentations

Illiac Software
Champaign, IL
Quality Assurance Engineer
Oct 2019 - May 2021

- Utilized Jira to document and track bugs so that they can be reproduced and identified
- Worked with developers to provide feedback on UI/UX design, ensuring a smoother, more intuitive user workflow
- Collaborated with platform engineering team to benchmark app performance based on CPU architecture

Projects

Pandabot
https://github.com/garonfok/pandabot

TypeScript, Node.js, MongoDB, DiscordJS, WOKCommands

- Created CRUD app to track Minecraft worlds and coordinates using MongoDB and Discord API
- Designed features that let users distinguish different waypoints and worlds on the same server
- Deployed on selfhosted Raspberry Pi to multiple Discord servers

Blackbird

TypeScript, ElectronJS, React, TailwindCSS, Redux, SQLite

- Created multi-platform library management software application that organizes sheet music files with custom metadata
- Designed simplified file management allowing for 50% increased work productivity for musicians and teachers

Technical Skills

Programming Languages	HTML, CSS, SASS, JavaScript, TypeScript, Python, MySQL, PosgreSQL, GraphQL
Frameworks/Libraries	React, NodeJS, MongoDB, Redux, Axios, ElectronJS, TailwindCSS
Tools/Platforms	Docker, AWS EC2, Git, Redis, Gitlab, GitHub, Bitbucket, Jira, Cypress

Education

University of Illinois at Urbana-Champaign
Champaign, IL
B.M.E. Music Education
May 2021