

Garon Fok

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Work Experience

FreeAgent CRM

Nov 2022 - Mar 2023

Software Engineer

Campbell, CA

- Created inventory and price management service for e-commerce client using React, JavaScript, GraphQL, and Postgres.
- Authored documentation on email API integration, reducing onboarding time for new employees by one week.
- Improved application performance by 50% by refactoring legacy codebase by simplifying platform integration with database.
- Designed and implemented the UI/UX for a staff reporting tool using React, JavaScript, and CSS, resulting in a 75% increase in client productivity.

Illiac Software

Mar 2022 - Nov 2022

Software Engineer

Champaign, IL

- Improved user navigation by developing a dynamic and responsive notification system using React and TypeScript.
- Developed REST API for students and teachers to send/receive messages on submitted assignments using PHP, Laravel, and Postgres.
- Upgraded an assignment management reordering system by designing a drag and drop UI.
- Ensured app stability and functionality by writing unit tests using Cypress.

Illiac Software

Oct 2019 - May 2021

Quality Assurance Engineer Intern

Champaign, IL

- Tested platform features on Windows, MacOS, and ChromeOS for performance, stability, and navigability.
- Documented and tracked bugs using Jira, enabling reproducibility and identification of issues.

Projects

Pandabot

<https://github.com/garonfok/pandabot>

TypeScript, Node.js, MongoDB, DiscordJS, WOKCommands

- Created Discord bot for tracking Minecraft worlds and coordinates using TypeScript, MongoDB and the Discord API.
- Designed features that let users manage multiple worlds, waypoints, and dimensions across a single server through Discord's role and slash command system.

Blackbird

TypeScript, ElectronJS, React, TailwindCSS, NodeJS, Redux, SQLite

- Created desktop application for Windows, and MacOS that allows music teachers and music librarians to manage digital sheet music using TypeScript, ReactJS, NodeJS, Sequelize, and SQLite.
- Designed detailed and human-readable file catalog allowing for users to search for pieces using piece metadata to refine search parameters.
- Directory management system can automatically rename, sort, and reorganize PDF files in association with pieces.

Homelab

Docker, Proxmox Virtual Environment, Linux, Raspberry Pi, TrueNAS SCALE

- Manage services such as NAS, VPN, adblocking, local media streaming using Docker and Proxmox hypervisor.
- Use homelab to learn network engineering and DevOps skills, as well as host web apps and game servers.

Technical Skills

Programming Languages HTML, CSS, SASS, JavaScript, TypeScript, Python, MySQL, PostgreSQL, GraphQL

Frameworks/Libraries React, NodeJS, MongoDB, Redux, ElectronJS, TailwindCSS

Tools/Platforms Docker, AWS EC2, Git, Gitlab, GitHub, Bitbucket, Jira, Cypress

Education

University of Illinois at Urbana-Champaign

May 2021

B.M.E. Music Education

Champaign, IL

3.94 GPA With Highest Honors, Dean's List