

Garon Fok

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Work Experience

FreeAgent CRM

Nov 2022 - Mar 2023

Software Engineer

Campbell, CA

- Developed features for web applications using React, JavaScript, HTML, CSS, and GraphQL
- Authored documentation on email API integration that reduced the learning curve for new employees by one week, increasing team efficiency
- Improved application runtime performance by 50% by refactoring legacy codebase by simplifying platform integration with client 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

Illiatic Software

Mar 2022 - Nov 2022

Software Engineer

Champaign, IL

- Improved user navigation by developing a dynamic and responsive notification system using React, TypeScript, HTML, and CSS/SASS
- Created database migration and API routes for online discussion feature using PHP, Laravel, and REST APIs
- Utilized Docker and AWS EC2 to manage test and production deployments
- Ensured app stability and functionality by writing unit tests with Cypress

Illiatic Software

Oct 2019 - May 2021

Quality Assurance Engineer

Champaign, IL

- Documented and tracked bugs using Jira, enabling reproducibility and identification of issues.
- 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 Discord bot for tracking Minecraft worlds and coordinates using 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
- Deployed on Raspberry Pi, currently used in multiple Discord servers

Blackbird

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

- Created desktop library management application that organizes sheet music files with custom metadata for music teachers and music librarians
- Frontend and backend developed with ReactJS and NodeJS, utilizing Sequelize ORM to manage database written in SQLite
- Designed detailed and human-readable file catalog allowing for users to search for pieces using piece metadata to refine search parameters

Technical Skills

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

May 2021

B.M.E. Music Education

Champaign, IL