

EMPLOYMENT

Software Engineer, Intern	KPMG Ignition Tokyo	Jan 2021 – Jul 2021
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Document search service (Mar – Jul)

- Developed both the frontend (React Hooks, TypeScript) and backend (Python Django, PostgreSQL) of a document search service web application used by KPMG Japan auditors.
- Implemented a content management portal where users can add, edit, delete, and track the visibility of audit documents that the end-users can search through the engine.
- Participated in agile workflow meetings including sprint planning, retrospective, and estimation planning.
- Designed PostgreSQL tables for the different types of audit documents available for search.
- Conducted integration tests for the frontend using Cypress.
- Utilized MobX 6 for frontend global state management and styled-components for adding CSS styling.

Vouching automation (Jan – Mar)

- Developed the core logic & backend of a python package that automates vouching tasks performed by KPMG Japan auditors.
- Implemented validation, prediction, and mapping functionality for excel inputs using pandas.

Software Engineer, Intern	UKG (Ultimate Kronos Group)	Sep 2020 – Dec 2020
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- Developed and maintained CI/CD pipelines on TeamCity, reducing the deployment time of Data Warehousing services from +5 hours to ~1 hour and increasing the pipeline success rate by 30-40%.
- Boosted the efficiency of acceptance testing & analysis by implementing an automated weekly creation of a fully configured sandbox environment containing Microsoft SQL databases, MongoDB, RabbitMQ, .NET applications on Kubernetes, and virtual machines.
- Improved the portability & accessibility of company databases by creating an automated dockerization process for Microsoft SQL databases.
- Enhanced the code quality of company databases by generating static analysis reports and developing re-runnable automated build, promote, and deploy pipelines using Redgate Deploy.

EDUCATION

Atlanta, GA	Georgia Institute of Technology	Aug 2018 – Dec 2022
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- B.S. in Computer Science, GPA: 3.5/4.0
- Coursework: Data Structures, Algorithms, Software Design & Engineering, Databases, Networks, Object-Oriented Programming, Computer Architecture.

PROJECTS

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- **Portfolio** (2021). Personal website showcasing my career/experience in a prettier format than this resume. Visit the website at masakia.com! React.js with Hooks, styled-components, TypeScript
 - **Mass Transit Simulation – User Interface** (2020). Simulation app that allows buses to travel along routes while transporting riders to stops. Java, JavaFX
 - **Mangadexterity** (2020). Web-app that allows the users to read manga (Japanese comics) series from Mangadex. React.js, React Bootstrap, Mangadex API
 - **Zap Pay** (2019). Mobile app and iMessage extension that performs instance secure transfer of money. Swift, Python, Flask, SQLite

SKILLS

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- **Languages:** Java, JavaScript (ES6), TypeScript, Python, Bash, PowerShell, SQL, C (Familiar)
 - **Technologies:** React.js (Hooks, Router), Docker, MobX, styled-components, Django, Pandas, TeamCity, Microsoft SQL, RabbitMQ, Cypress, Node.js (Familiar), PostgreSQL (Familiar), MongoDB (Familiar), MySQL (Familiar), Kubernetes (Familiar), Express.js (Familiar)
 - **Tools:** Git, Postman, Redgate Deploy, JIRA, Azure DevOps, Visual Studio, SSMS, Vault (Hashicorp), Artifactory