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MASAKI ASANUMA

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EMPLOYMENT

Software Engineer, Intern   **KPMG Ignition Tokyo**   **Jan 2021 – Present**
- Document search service (Mar – Present)
    - Developing both the frontend (React Hooks, TypeScript) and backend (Python Django, PostgresSQL) of the first phase of a document search service web application utilized by KPMG Japan auditors.
    - Implementing a content management portal where content managers can add, edit, delete, and track the visibility of audit documents that the end-users can search through the engine.
    - Designing PostgresSQL tables for the different types of audit documents available within the engine.
    - Utilized MobX 6 for 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 auditors of KPMG Japan.
    - Implemented validation, prediction, and mapping functionality for excel inputs.
- Participated in agile workflow meetings including sprint planning, retrospective, and estimation planning.

Software Engineer, Intern   **UKG (Ultimate Kronos Group)**   **Sep 2020 – Dec 2020**
- 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**
- 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

- **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

- **Languages**: Java, JavaScript (ES6), TypeScript, Python, Bash, PowerShell, SQL, C (Familiar)
- **Technologies**: React.js (Hooks, Router), Docker, MobX, styled-components, Django, TeamCity, Microsoft SQL, RabbitMQ, 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
- **Operating Systems**: Linux (Ubuntu), Windows, MacOS