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MASAKI ASANUMA

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EMPLOYMENT

Software Engineer **Amazon Japan G.K.** **Mar 2023 – Present**
- Currently working within the Points team in Tokyo, developing services powered by AWS to deliver a seamless experience of earning & burning points to customers using Amazon Japan's retail website.

Software Engineer Intern **Amazon.com, Inc.** **May 2022 – Aug 2022**
- Developed a fully customizable frontend carousel component to be displayed to customers across 25 countries during high-velocity events (200M+ traffic) such as Prime Day, Black Friday, and Cyber Monday.
- Implemented customizability for styling, content, layout, and animations to adapt to any business needs.
- Ensured production quality & robustness through unit tests, E2E tests, and metric dashboards & alarms.

Software Engineer Intern **KPMG Ignition Tokyo** **Jan 2021 – Jul 2021**
Document search service (Mar – Jul)
- Developed both the frontend (React Hooks, TypeScript) and backend (Python Django, PostgresSQL) of a document search service web application used by KPMG Japan auditors.
- Implemented a content management portal where admin users can add, edit, delete, and track the visibility of audit documents that the end-users can search through the engine.
- Designed PostgresSQL tables for the different types of audit documents available for search.
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**
- 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.

EDUCATION

Atlanta, GA **Georgia Institute of Technology** **Aug 2018 – Dec 2022**
- B.S. in Computer Science, GPA: 3.7/4.0
- Coursework: Data Structures, Algorithms, Software Design & Engineering, Databases, Security, Networks, Object-Oriented Programming, Computer Architecture, Computer Graphics, Info Visualization, Privacy.

PROJECTS

- **Transportation Fatalities Viz** (2022). Simple visualization tool exploring the progression of transportation fatalities across different transportation modes from 1975-2020. JavaScript, D3
- **NeoCirc** (2021-2022). Educational platform for teaching Doctors, Nurses, and Parents about neonatal circumcision. React.js with Hooks, styled-components, React bootstrap, React router
- **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

SKILLS

- **Programming Languages**: Java, Kotlin, JavaScript (ES6), TypeScript, Python, Bash, PowerShell, SQL, C
- **Technologies**: AWS, React.js, D3.js, Spring, Docker, MobX, styled-components, Django, Pandas, Microsoft SQL, RabbitMQ, Cypress, Node.js, PostgreSQL, MongoDB, MySQL, Kubernetes
- **Tools**: Git, Postman, Redgate Deploy, JIRA, Azure DevOps, Visual Studio, IntelliJ
- **Languages**: Natively Fluent in English & Japanese