

Arata Tomiyoshi Kagan

Full Stack Software Engineer

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EXPERIENCE

Software Engineering Fellow | Formation | Remote Feb. 2023 - Present

- Selected for highly competitive fellowship which completed intensive training over 8 months to master computer science fundamentals through coding exercises, through independent study, pair programming, and small mentor-led groups.
- Studied system design fundamentals in small groups led by senior engineers from top companies, comparing and contrasting concepts in modern web-based applications.

Software Developer | Vitu | Los Angeles, CA Aug. 2021 - Jan. 2023

- Utilized Vue framework and TypeScript to develop Vitu's internal flagship e-file application, processing 400,000+ vehicle and title registrations per month.
- Implemented a bulk delete function in internal data mapping tools boosting Vitu staff productivity by 70%.
- Developed an activity log dashboard, incorporating GraphQL data parsing middleware and building robust state management logic using Vuex, which resulted in a 50% reduction in DMV form data mapping errors among Vitu staff.
- Crafted automated end-to-end tests using Puppeteer and CodeceptJS, improving test coverage of internal tools by 30%.

Software Engineer | HLS Global | Los Angeles, CA Oct. 2019 - Aug. 2021

- Led the development of a timesheet alert system by creating an ETL pipeline extracting timesheet data from PracticeCS (timesheet entry software) using C# .NET and MySQL; reduced 2 hours/week of administrative time in reminding staff to complete timesheets.
- Managed data migration from MS Server to MySQL database and constructed complex SQL queries for organization's budget data visualization feature.
- Utilized LDAP protocol to communicate with internal Active Directory server to create a Single Sign-On feature using Java Unbounded LDAP SDK.

Project Lead | Amazon | Cambridge, MA Apr. 2016 - Nov. 2016

- Led Amazon Alexa Japanese transcription team, managed 15 data associates/ contractors, created detailed guidelines to ensure uniform data across the entire team, and maintained high accuracy in team's work.

Data Associate | Amazon | Cambridge, MA Jul. 2015 - Apr. 2016

- Transcribed over 1500 Japanese utterances daily, including both spoken and written forms to improve the machine learning automatic speech recognition (ASR) model.

EDUCATION

University of California, Los Angeles (UCLA)

Sep. 2008 - Sep. 2012

B.A. Sociology (Minor in Global Studies)

TECHNOLOGIES

React/Redux | Vue | JavaScript | TypeScript | Java | NodeJS | HTML/CSS | Python | MySQL | MS SQL Server | MongoDB | GraphQL | Git | Docker | AWS