

David Kim

SOFTWARE ENGINEER

☎ (+1) 425-633-7828 | ✉ kimdav011@gmail.com | 📱 kimdav011 | 💻 davidokim

Work Experience

Amazon

Seattle, Washington

SOFTWARE DEVELOPMENT ENGINEER I

Aug. 2021 - Current

- Designed and implemented a back-end service that utilized distributed programming to process large customer datasets into usable input data for Machine Learning models using Apache Spark and Python.
- Implemented a scheduling service to maintain and incrementally update customer data for our teams Machine Learning models using Java.
- Worked with team members and project managers to launch a new Alexa service to customers which resulted in automatic lighting control for over 1M Alexa customers.
- Setup and deployed AWS CloudWatch metrics and alarms for multiple services owned by my team using TypeScript and AWS CloudFormation.
- Helped launch a new feature/service that reduces friction in Alexa VUI for customers by predicting which device the customer is referring to and automatically performing actions.

Amazon

Seattle, Washington

SOFTWARE DEVELOPMENT ENGINEER INTERN

Jun. 2020 - Sept. 2020

- Led the design and development of a back-end service which aggregates and encodes customer device data into machine learning embeddings for smart home devices.
- Created a design document for the new service using Amazon internal design document tools, technical writing skills, and UML diagrams.
- Deployed fully automated CI/CD pipelines using Amazon internal tools.
- Built and deployed overall service infrastructure utilizing several AWS services(Including CloudFormation, Lambda, DynamoDB, CloudWatch, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Learned and developed skills in reviewing and writing better code-reviews.
- Learned how to use unit testing frameworks like Junit to write proper unit tests for production code.

University of Washington

Bothell, Washington

TEACHER ASSISTANT FOR COMPUTER SCIENCE

Jan. 2020 - Mar. 2020

- Assisted professor in grading all of the tests, quizzes, and homework assignments for a classroom of 40+ students.
- Provided detailed feedback on each homework assignment to help students learn and improve.
- Helped guide students in the right direction whenever they had questions on homework or computer science concepts.

Education

University of Washington

Bothell, Washington

B.S. IN COMPUTER SCIENCE AND SOFTWARE ENGINEERING

Sept. 2017 - Mar. 2021

- GPA: 3.48/4.00

Projects

ValoStore

[Github](#)

FULL STACK APPLICATION FOR VALORANT THAT ALLOWS YOU TO CHECK YOUR IN-GAME STORE.

Feb. 2022 - Mar. 2022

- Implemented an AWS lambda function using Java that makes API calls to Valorant servers to get user store data.
- Developed simple front-end application using React-Native that allows users to register and view their Valorant in-game store.
- Stored user data using DynamoDB and added encryption at rest using AWS KMS.

Skills

LANGUAGES/TECHNOLOGIES

- [Java](#) [Python](#) [TypeScript/JavaScript](#) [C#](#) [C++](#) [SQL](#) [HTML](#) [CSS](#)
- [AWS](#) [Git](#) [Google Guice](#) [JUnit](#) [Spring Boot](#) [Unix/Linux](#) [Unity](#) [React](#) [React Native](#) [NodeJS](#) [Docker](#) [Apache Spark](#) [Vi/Vim](#) [IntelliJ](#)