

Haruki Kuriwada

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SKILLS

Languages: Java, JavaScript, TypeScript, Kotlin, Swift, ShellScript, SQL, HTML, CSS

Frameworks: Git, GitHub, Bitbucket, Jira, Sass, jQuery, React, React Native, Redux, OpenLayers, Spring Framework, Spring Boot, Spring Security, JWT, Maven, Elasticsearch, MySQL, PostgreSQL, Docker, AWS(IAM, Organization, EC2, ECS, ALB, AutoScaling, CloudFront, Route53, RDS, DynamoDB, Aurora, S3, CodePipeline, CodeBuild, CodeDeploy, Athena, Lambda, SQS, API Gateway, CloudWatch, etc.), Jest, JUnit, Android Studio, XCode, IntelliJ, Figma

Knowledge: Agile Methodologies, Frontend Development, Backend Development, FullStack Development, Web Application Development, Mobile App Development, Caching, Database, Unit Testing, Integration Testing, CI/CD, REST, API, Cloud Architecture, Serverless, DNS, Linux

Certifications: [AWS Certified Solutions Architect Associate](#), [AWS Certified Developer Associate](#), [AWS Certified SysOps Administrator Associate](#), [AWS Certified Cloud Practitioner](#)

Familiar: C++, Python, Django, GraphQL, NoSQL, Microservices, WebSocket, Serverless, AI

EXPERIENCE

FullStack Developer - Fieldshare (Vancouver, BC, CA)

Sep 2021 - Present

- Leading the company's annual revenue growth by 11% by executing the UI transition of web and mobile applications with React and React Native by following the "8px grid system" strategy and the UI/UX designer's Figma design.
- Implemented offline mode on the mobile application by Mobx-state-tree for users who use the application in no internet environment, 90% of the users started using this feature after its release.
- Reduced local development setup time from 2 minutes to 5 seconds, by migrating the backend application from single-instance-hosting to Docker-container-hosting by AWS ECS to get the application containerized.
- Decreased application maintenance frequency from daily to weekly, by restructuring its cloud architecture using LoadBalancer and AutoScaling to achieve high availability and horizontal scaling of the application.
- Accelerated the application's query search speed from 4 seconds to 1 second by utilizing Elasticsearch to refactor the query process.
- Over 10 great feedbacks by developing a user workflow automation system backed by AWS SQS to decouple the application.
- Responsible for organizing and maintaining the Java backend application using Spring and MySQL as a database, by abstracting classes and following OOP to make them widely reusable and accessible.
- Established CI/CD by integrating AWS CodePipeline for automating testing, building and compiling, coordinated the UI tests for the frontend app with Jest and Testing Library, and the integration tests for the backend app with JUnit.
- Scripted SQL code to query our application CloudWatch log data that is stored in AWS S3 via Athena, to analyze the backend application performance and troubleshoot the server internal error.
- Always keep the company wiki up-to-date after working on some tasks to boost other team members' work efficiency.

FullStack Developer, Intern - Goppter eCommerce Solutions (Burnaby, BC, CA)

Apr 2021 - Aug 2022

- Proposed multi-threading for differentiating API thread and UI thread to reduce the UI thread's heavy lifting and improve the application performance. Made the RAM consumption rate decrease by 15%.
- Built a new mobile payment method with REST API Client by Clover, instead of installing the SDK in the application, to remove almost 30 files of code and increase the transparency of the code.
- Integrated Spring Security and JWT into the Spring Boot application to handle the security in a stateless way.
- Solved the problem with slow application performance by modifying the cache logic from write-through to read-through.
- Utilized Git as a version control tool and Bitbucket as a code hosting platform. Reviewed coworkers' code changes with appropriate comments that articulate some fixable points.

EDUCATION

Diploma of Computer Engineering - Cornerstone College (Vancouver, BC, CA)

Apr 2021- Apr 2023

Bachelor of Electrical Engineering - Iwate University (Iwate, JP)

Apr 2017- Mar 2021

PROJECTS

AI Face Analyze ([source code](#))

- Uploading a human face image to the serverless backend that consists of API Gateway and Lambda sends the image to the trained data model which can scan the image, analyze it and generate JSON. The React application hosted by S3 shows the analyzed result.