

YUICHI KOJIMA

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github.com/samuraikun | yuichi-kojima-portfolio.vercel.app/

SUMMARY

Results-driven software engineer with over 7 years of experience specializing in Ruby on Rails, AWS, and Terraform. Led the migration to a container-based AWS ECS Fargate system, achieving 99% system availability and reducing video transcoding costs by 50%, ensuring optimal video playback across all browsers. Adept at optimizing system performance and enhancing user experience through scalable solutions.

PROFESSIONAL EXPERIENCE

GLOBALIS.inc

Software Engineer

Remote

January 2023 - Present

- Lead the development of backend GraphQL API using graphql-ruby/Ruby on Rails and design GraphQL schemas to enhance collaboration with frontend teams; also actively develop and review frontend features using React and TypeScript.
- Incorporated Datadog APM to enhance system observability, resulting in a 40% reduction in issue detection and resolution times.
- Technologies: Ruby, Ruby on Rails, TypeScript, React, Kubernetes, AWS, Terraform, GraphQL, graphql-ruby, apollo-client, Sidekiq, Datadog, CircleCI, Auth0

Crevo

Software Engineer

Japan

January 2019 - January 2023

- Migrated from a legacy EC2-based system to a modern container-based AWS ECS Fargate system, achieving system availability of 99%.
- Improved the video processing feature using AWS MediaConvert, reducing video transcoding costs by 50% compared to AWS ElasticTranscoder and improving video loading latency by 40%, ensuring smooth playback across all browsers.
- Refactored a monolithic Ruby on Rails video upload feature into scalable components, optimizing performance with S3 multipart direct uploads and using Sidekiq and Plain Old Ruby Objects (POROs) with the Shrine gem to improve performance and user experience.
- Technologies: Ruby, Ruby on Rails, Sidekiq, Vue.js, Node.js, AWS, Terraform, CircleCI, Github Actions, AWS MediaConvert, AWS ECS Fargate, AWS Lambda, DynamoDB, Redis/ElasticCache, OpenAPI, Auth0, WebSocket

Bayer Japan

DevOps Engineer

Remote

January 2021 - December 2022

- Developed a system specialized for searching PowerPoint files for new medicine research, enhancing data retrieval times by 50%.
- Created CI/CD environment to improve the team's developer experience, reducing pipeline execution time by 30%.
- Technologies: AWS, Terraform, ECS Fargate, Step Functions, GitHub Actions, ElasticSearch, Python, Flask

Sansan

Software Engineer

Japan

April 2016 - August 2018

- Improved batch processing algorithms, 20% improvement in cost per batch processed, 20% reduction in server costs per month.
- Migrated on-premises Jenkins server to CircleCI, enhanced 40% deploy speed.
- Technologies: Ruby, Ruby on Rails, Sidekiq, AWS, Jenkins, CircleCI,RSpec

SKILLS

Languages: Ruby, TypeScript, Python, Node.js, JavaScript, HTML/CSS

Database: MySQL, PostgreSQL, Redis, Elasticsearch, MongoDB, DynamoDB, Firestore, Redshift

Tools: Ruby on Rails, Flask, React.js, Vue.js, AWS, Terraform, GraphQL, OpenAPI, Docker, Kubernetes, GitHub Actions, CircleCI, Datadog, Auth0, WebSocket, Serverless Framework, Git, Firebase, Supabase

Others: Agile, Software Testing, System Design, Development Operations (DevOps), Observability Engineering, Serverless

CERTIFICATIONS

AWS Certified Solutions Architect – Professional

EDUCATION

CICCC Corner Stone College Canada

Certification, Computer Engineering

September 2023 - September 2024

Ryukoku University

Bachelor's, Business Analytics

April 2012 - March 2016