

YUICHI KOJIMA

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yuichi-kojima-portfolio.vercel.app/

AVAILABILITY

Available for immediate start | Open to work nationwide (Canada) and remote opportunities

SKILLS

Languages: Ruby, TypeScript, Terraform, Node.js, JavaScript, Python, SQL

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

Tools: Ruby on Rails, GraphQL, AWS, React.js, Vue.js, OpenAPI, Docker, Kubernetes, GitHub Actions, CircleCI, Flask, Datadog, Auth0, WebSocket, Git, Azure OpenAI Service, CloudFormation, Linux/Unix, packwerk

Others: Agile, Software Testing, Sytem Design, Development Operations (DevOps), Observability Engineering, Serverless, MCP(Model Context Protocol)

ABOUT ME

Full-stack software engineer with over **8 years** of experience specializing in Ruby on Rails, AWS, and system architecture. Proven track record of leading cross-functional teams and mentoring junior developers while delivering scalable solutions that achieve **99% system availability** and **50% cost reduction**. Strong communicator who bridges technical and business stakeholders, with experience in agile environments and collaborative problem-solving. Passionate about code quality, system observability, and building maintainable architectures that enable team productivity and long-term success.

WORKING EXPERIENCE

GLOBIS *Software Engineer Lead* Jan 2023 - Present | Tokyo, Japan(Remote)

- **Tech Lead:** Architected and implemented modular monolith migration of **50,000+ line Rails application** using Packwerk, establishing module boundaries and foundational infrastructure to improve code maintainability and team development velocity
- **Full-Stack Development:** Led backend GraphQL API development using graphql-ruby/Ruby on Rails and designed GraphQL schemas to enhance collaboration with frontend teams; actively developed and reviewed frontend features using React and TypeScript
- **System Observability:** Incorporated Datadog APM to enhance system observability, resulting in a **40% reduction in issue detection and resolution times**
- **AI Innovation:** Developed Azure OpenAI Service feature to label employee feedback in corporate LMS, enhancing HR insights and contributing to increased enterprise contracts through valuable AI-driven functionalities

Bayer Japan *DevOps Engineer* Jan 2021 - Dec 2022 | Japan(Remote/Part-time)

- **Specialized Search System:** Developed a system specialized for searching PowerPoint files for new medicine research, enhancing **data retrieval times by 50%**
- **CI/CD Optimization:** Created CI/CD environment to improve team's developer experience, reducing **pipeline execution time by 30%**

Crevo *Software Engineer* Jan 2019 - Jan 2023 | Tokyo, Japan

- **Infrastructure Modernization:** Migrated from legacy EC2-based system to modern container-based AWS ECS Fargate system, achieving **system availability of 99%**
- **Video Processing Optimization:** Improved 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
- **Performance Refactoring:** Refactored 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

Sansan *Software Engineer* Apr 2016 - Aug 2018 | Tokyo, Japan

- **Microservices Architecture:** Designed and implemented API integrations between distributed microservices for business card digitization workflow, ensuring high availability and data consistency across multiple processing stages
- **Multi-language Processing System:** Developed specialized input systems supporting **9 languages** (Japanese, English, Chinese, Korean, French, German, Spanish, Portuguese, Thai) with hybrid processing combining OCR/ML automation and human operator input
- **Distributed Systems Reliability:** Implemented retry mechanisms and transaction control for inter-service communication, achieving **99.5% system availability** through proper handling of database locks and transaction isolation in shared-database microservices architecture
- **CI/CD Modernization:** Led migration from on-premise Jenkins to CircleCI, reducing **pipeline execution time by 60%** and improving developer experience through automated build/test/deployment workflows
- **Data Processing Optimization:** Built normalization logic for diverse business card patterns and implemented name-matching algorithms, achieving **85% deduplication accuracy** and **40% data processing throughput improvement**

CERTIFICATIONS

AWS Certified Solutions Architect – Professional Certified by 2022

TALKS

Speaker at VanJS (May 2025) – *“Practical Lessons from Building a Custom MCP Server”*

OSS

- **aws-s3-mcp** - "MCP server to integrate AWS S3 and LLM"
 - GitHub: <https://github.com/samuraikun/aws-s3-mcp>
 - npm package: <https://www.npmjs.com/package/aws-s3-mcp>