

# Taro Hirohata

## Software Engineer

+1(236)558-0841 | Burnaby, BC, Canada

[Email: hirohatatro@gmail.com](mailto:hirohatatro@gmail.com) | [LinkedIn: taro-hirohata](#) | [GitHub: hitohata](#)

### EXPERIENCE

---

#### **Full Stack Software Engineer** | *BuddyCompass* (Kanagawa, Japan) November. 2024 - Present

Marketing company offers promotion videos for tourism, facility branding, influencer tie-up.

- Established a fundamental development flow, added automated tests, and set a rule of development
- Architected the system structure by comparing the pros and cons of choices by doing proof of concept

Used Technologies: TypeScript, Next.js, Prisma, AWS(AppRunner, RDS(PostgreSQL), S3, CloudFront)

#### **Lead Software Engineer** | *Wedding Wiz* (Vancouver, BC, Canada) January. 2024 - November. 2024

Modern wedding planning startup company that offers personalized services and innovative solutions for couples, specialized in creating memorable, stress-free events tailored to each client's vision.

- Spearheaded the development of a new system from inception to implementation, establishing coding standards and development guidelines while mentoring junior engineers through pair programming and precise code review
- Successfully managed and motivated an engineering team (7 developers), optimizing efficiency through task breakdown and clear documentation

Used Technologies: TypeScript, React, AWS(Lambda, SQS, S3, DynamoDB, AppSync, API Gateway), GraphQL, Hono

#### **Chief Engineer** | *Shimadzu Corporation* (Kyoto, Japan) April. 2015 - August. 2023

Japanese multinational company specializing in precision instruments, measuring equipment, and medical devices. It provides advanced technologies for pharmaceuticals, healthcare, and environmental monitoring industries.

Architected, developed, and managed a company-wide IoT system, resulting in avoiding losses of at least over \$6500

- Developed and maintained a system that supported seamless operation and minimal downtime
- Optimized system performance through Rust-based server development and AWS integration
- Facilitated the integration of the system into a company-wide framework, contributing to enhanced productivity across multiple factories

Used Technologies: Rust, TypeScript, Python, AWS(IoT Core, Lambda, S3, Kinesis, DynamoDB, Athena), REST API, Jupyter

Designed, implemented, and managed a Production management system

- Drove the design and implementation of a production management system, delivering a substantial time savings of 1000 hours annually and streamlining workflows.
- Fostered collaboration between engineering and business teams by leading projects, mentoring colleagues, and implementing a flexible REST API architecture.

Used Technologies: TypeScript, React, Python, AWS(Lambda, AppSync, API Gateway, Aurora Serverless), MySQL, GraphQL, REST API

### TECHNICAL SKILLS

---

**Languages:** TypeScript, Rust, Python, Node.js

**Frameworks:** React, Hono, Next.js, Tokio, Axum, FastAPI

**Infrastructure:** AWS, Docker, MySQL, AWS DynamoDB, IoT Core, EventBridge

**Others:** Microservices, CI/CD, OpenAPI, GraphQL, OOP, Unit Tests, SQL, IoT, Jupyter, Data Lake

### EDUCATION

---

Diploma in Web Development - Cornerstone College | Vancouver, BC, Canada | 2023 - 2024

Master of Engineering in Applied Physics - University of Miyazaki | Miyazaki, Japan | 2013 - 2015

Bachelor of Engineering in Physics - University of Miyazaki | Miyazaki, Japan | 2009 - 2013