



# Software Developer - Yusuke Kohatsu

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## Work Experience

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### **Sippy Software, Inc | Backend Developer | Dec 2022 – present | Burnaby, Canada**

- Optimized SQL query to make the call detail record report three times faster.
- Provided a custom shell script for translating call numbers to meet the customer's urgent needs in a timely manner and bolstered sales by \$300 within a week.
- Developed and deployed a new invoice table feature using **Python** and **PostgreSQL**.
- Led the design and implementation of highly maintainable and loosely coupled code for distributed components, utilizing **Python**, **Go**, **PHP**, and **XML-RPC**.
- Created robust **XML-APIs** and ensured their stability with 100% test coverage using **Python** and **pytest**.
- Streamlined the development process by configuring build checks and implementing automated unit testing, written in **Go**, for 10 repositories using the **Bitbucket pipeline**.

### **DPCode inc | iOS / Backend Developer | June 2022 – Oct 2022 | Vancouver, Canada**

- Developed and deployed a serverless function using Cloud Functions, Gmail API, **TypeScript**, and **Node.js** to seamlessly send customers' invoice PDFs via email.
- Implemented notification logic to remind users to send invoices using Swift.
- Elevated code maintainability and quality by implementing automation testing and linting using CircleCI for the invoice application.

### **Myadcenter | Full-Stack Developer Intern | Remote | Jan 2022 – June 2022 | Toronto, Canada**

- Developed a user-friendly form component for purchasing phone numbers with robust validations using Redux, MaterialUI, **JavaScript**, **Next.js**, and Twilio API.
- Optimised code efficiency by resolving existing issues and streamlining the retrieval of billing data from the database in **Node.js**, **JavaScript**, **Express.js**, and **MySQL**.
- Revamped the method for searching and filtering data in **Node.js**, **Express.js**, **JavaScript**, **Next.js**, and **MySQL**, enhancing code reusability and promoting a more scalable solution.

### **Hitachi Systems, Ltd | Systems Engineer | Apr 2020 –Sept 2021 | Tokyo, Japan**

- Developed a robust **REST API** for the user management system in **Java**, ensuring 100% test coverage with JUnit.
- Created reusable table components for the user management system using HTML, CSS, and **TypeScript** in the frontend development.
- Detected all potential bugs before shipment by achieving 100% test coverage for the Construction Cost Management System using **Java** and manual testing.
- Conducted thorough user testing and diligently reported bugs via JIRA.
- Removed all functional bugs by designing test cases and meticulously verifying test results for the construction cost management system using **MySQL** and JIRA for manual testing.

## Skills

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Python, TypeScript, Go, Node.js, Express.js, PostgreSQL, Django, React.js, Docker, Jenkins, AWS, PHP, and Java

## Education

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University of Meiji, Tokyo - B.Eng in Interdisciplinary Engineering, 2020

## Certification

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**AWS Certified Cloud Practitioner** - (issue: Sep 2023, expired: Sep 2026)