

IRUMI KIKUCHI

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SUMMARY

Results-oriented Software Engineer with 2.5 years of experience in full-stack development, system optimization, and cloud computing. Adapt at designing, developing, and deploying scalable solutions, while improving system efficiency and improving workflows. Proficient in TypeScript, C#, Python, Azure, Okta, and ASP.NET. Strong background in research-driven data analysis with a focus on improving system performance and user experience.

WORK EXPERIENCE

Software Engineer | Horizon Co. Ltd. | Apr 2020 – Sep 2022

- Contributed to the design and implementation of front-end, back-end, and cloud-based infrastructure systems, focusing on scalability, maintainability, and performance.
- Worked closely with cross-functional teams to integrate APIs, optimize workflows, and enhance system efficiency.

PROJECTS

Cloud-First Account Management System (Okta, Azure AD) | 2021 – 2022

- Designed automation workflow and implemented a cloud-first account management system for a new company, integrating Okta and Azure AD for seamless authentication and authorization.
- Led the design of infrastructure for global account management, considering integration with subsidiaries.
- Implemented no-code development solutions and ensured smooth communication between engineers and cross-functional teams.

System Development for Automotive Company (ASP.NET, Microsoft SQL) | 2021

- Modified an existing estimation screen system using ASP.NET and Microsoft SQL Server
- Updated the source code while minimizing the impact on other features to ensure future scalability and ease of maintenance
- Used C# and JavaScript to ensure that the system was compatible with existing platforms and requirements

Enterprise Web Application for Market Research | 2020 – 2021

- Developed a single-page application (SPA) for managing customer data using APIs, React, and Redux, ensuring easy scalability and maintainability.
- Ensured high code quality and consistency for future maintainability, using TypeScript and REST APIs.
- Led internal knowledge-sharing sessions, fostering best practices across teams.

Undergraduate Research – Galaxy Classification using Python | 2019 – 2020

- Developed a classification model for analyzing galaxy morphology, contributing to research on galaxy evolution in the Ophiuchus Supercluster.
- Automated image processing and data fitting using Python, GALFIT, and scientific libraries.
- Improved classification accuracy by refining image segmentation & parameter tuning.

SKILL & ACHIEVEMENTS

- ✓ **Technical Skills:** JavaScript / TypeScript / Python / C# / Java / React.js / Node.js / Redux / ASP.NET / Microsoft SQL / REST API / Bootstrap / HTML / CSS
- ✓ **Other** : No-Code Development, API Integration, Automated Testing, System Design
- ✓ **Certification** : Fundamental Information Technology Engineer
(IPA: Information-technology Promotion Agency, Japan)

EDUCATION

George Brown College – Toronto ON, Canada

2025 - Current

Ontario College Graduate Certificate in Cloud Computing Technology

Japan Women's University – Tokyo, Japan

2016 - 2020

B.Sc. in Mathematical and Physical Sciences