

Haruki Ambai

Full Stack Web Developer (3+ Years)

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PROFESSIONAL EXPERIENCE

AIZU LABORATORY Inc.

Fukushima, Japan (REMOTE)

Full Stack Web Developer

2021-Present

- Developed a suite of diverse web applications impacting various sectors, including a user-friendly GUI that enhanced asteroid discovery processes and a comprehensive educational tool that monitors student health and academic progress across 15 schools.
- Led a multidisciplinary team of 8 developers in these projects, focusing on both front-end and back-end development to ensure seamless, functional user experiences.
- Implementing a dynamic GUI for asteroid tracking, which is now utilized by over 50 astronomers and researchers, boosting data collection efficiency by 40%.
- Creating a robust educational monitoring tool, which has been adopted by 15 educational institutions, improves student data tracking capabilities by 30% and significantly enhances the responsiveness of health interventions.

Selected Project Experience

- [COIAS \(Come On Impating Asteroids\)](#) - Web Application **2021-2022**
 - A 30% increase in data processing efficiency, enabling faster identification of potential hazards.
 - A streamlined collaboration process, reducing project development time by 25%.
 - The successful integration of complex features led to a 40% improvement in user engagement compared to previous tools.
 - Implementation of a dynamic scaling strategy that improved system resilience by 50%, ensuring reliability even under peak loads.
 - A 20% reduction in load times through optimized code and efficient use of cloud resources, enhancing the overall user experience.
- Educational monitoring tools- Web Application **2023-current**
 - The integration of a user-friendly interface that simplifies data entry and analysis, leading to a 40% reduction in administrative time for educators.
 - Enhanced responsiveness of health interventions with real-time data processing, which effectively accelerates the decision-making process by 50%.
 - A modular design that allows easy customization to meet the specific needs of different institutions, thereby increasing the tool's adaptability and scalability.

EDUCATION

THE UNIVERSITY OF AIZU

Fukushima, Japan

Bachelor of Computer Science, Major in Computer Science; Minor in Mathematics

2019-2023

ADDITIONAL INFORMATION

- Links: [Portfolio](#), [LinkedIn](#), [GitHub](#)
- Technical Skills: React, Typescript, Python, Server, Amazon Web Services (AWS)