

NAGAHARA IKUMA

Japanese Software Engineer

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PROFESSIONAL EMPLOYMENT EXPERIENCE

Pixel Software 株式会社 - Ehime, Japan - On-Site

2021.04 - 2023.06

Software Engineer - Full Time

Product Solutions Division 1 Team

1. Industrial and Public Plant Monitoring System Development

- Developed a new industrial gateway system by using Golang and replaced the existing VB and C legacy systems, improving maintainability and scalability.
- Optimized Golang's concurrency features to handle thousands of industrial sensor tags, increasing data throughput over 40% by benchmark. Enhanced data stability, and reducing processing time.
- Programmed control software in C# for System-Operator to monitor Industrial data.

2. Backend Development with REST API

- Designed and maintained internal management systems using Python (Django) to support employee information management and project tracking.

3. Collaborative Development and Quality Assurance

- Collaborated within a 7-member team to plan, design, and deliver software functional specifications.
- Developed and executed test plans to ensure functionality, performance, and security.

4. Documentation and Reporting

- Created detailed technical documentation, including system architecture and API specifications.
- Prepared reports and presentations to communicate project progress and solutions to stakeholders.

Tomorrows AI - Washington, United States - Remote

2024.10 - Now

Software Engineer - Intern

USA - Backend Team

1. Developed a web application using Flask for searching and displaying news articles.

- Implemented a feature allowing users to search articles by title or keyword. Displayed search results as a list, with clickable titles to redirect to detailed pages.
- Programmed dynamic detail page displaying article titles, images, and content based on data passed from Flask.

Education Background

East China Normal University - Master of Software Engineering; GPA 3.14/4.0

2023.9 - 2026.6

Shanghai International Studies University - Bachelor of Arts; GPA 3.4/4.0

2019.9 - 2021.6

LANGUAGES AND TECHNOLOGIES

■ **Programming Languages:** Golang Python C# SQL

■ **Frameworks:** Gin Django Flask .NET

■ **Tools:** Git GitHub Docker

■ **Operating Systems:** Windows Linux

■ **Other Technologies:** RESTful API Design TCP/IP Machine Learning JQuery

Languages

■ Japanese 【Native】

■ English 【Professional working proficiency】

■ Chinese 【Professional working proficiency】