

PROFESSIONAL EMPLOYMENT EXPERIENCE

Pixel Software Corporation - Japan, Ehime 2021.04 - 2023.06
Software Engineer Product Solutions Division 1

1. System Design and Modernization
 - Upgraded legacy VB and C gateway systems to modern architectures using Golang and Python.
 - Designed scalable and maintainable software solutions tailored to client needs.
2. Backend Web Development with REST APIs for Internal Management Systems
 - Focused on creating efficient, scalable backend systems and providing ongoing maintenance.
 - Developed and maintained REST-ful APIs for internal management systems using Python (Django).
3. Development of High-Performance Applications
 - Developed communication applications to manage real-time data flow in industrial environments.
 - Utilized Golang's concurrency features to handle thousands of data sensor tags, increasing data throughput by over 40% by benchmarking.
4. Network Programming and Data Management
 - Implemented a TCP/IP-based socket gateway for real-time data transmission to centralized databases.
 - Enhanced system responsiveness and reliability by integrating data with web frontends.
5. Collaborative Software Development
 - Worked within a 7-member team to plan, create, and deliver software functional specifications.
6. Software Testing and Quality Assurance
 - Developed and executed testing plans to ensure functionality, performance, and security.
7. Documentation and Technical Reporting
 - Created technical documentation, including system architectures and API specifications.
 - Prepared reports and presentations to communicate project progress and solutions to stakeholders.

Education Background

Shanghai International Studies University - Bachelor of Arts; GPA 3.4 / 4.0 2019.9 - 2021.6
East China Normal University - Master of Software Engineering; GPA 3.1 / 4.0 2023.9 - 2026.6

TECHNICAL EXPERIENCE

My Projects

PyCat 🐱 <https://github.com/namashin/PyCat> **GoCat** 🐱 <https://github.com/namashin/GoCat>

Python Go Windows Mac

- Displays a system tray icon that changes based on CPU usage.
- Allows switching between different animal-themed icons (cats; horses; parrots) from the system tray menu.
- Supports launching applications (WeChat; QQ; Chrome) directly from the system tray menu.

GoDrone 🐱 <https://github.com/namashin/GoDrone>

Go Gin GoBot ffmpeg OpenCV

- Control the dji Tello drone remotely through a web browser.
- Stream live video from the drone's camera.

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** Golang; Python; C; C#; SQL
- **Frameworks:** Gin; Django; Flask; .NET
- **Tools:** Git; GitHub; Docker
- **Operating Systems:** Windows; Linux
- **Other Technologies:** TCP / IP (Network Programming, Socket Programming)

Languages

- Japanese (Native); English (Professional working proficiency); Chinese (Fluent)