張育誠 (Chang Yu Chen)

I am a professional software developer with over 7 years of experience and a B.S. degree in Computer Science.
Proficient in C#, TypeScript, and Python.
Skilled in Asp.Net, Django/FastAPI, and Node.js.
Strong problem-solving, system design, and learning skills.
I excel at working in teams and have experience as a team manager. I possess strong collaborative and communication abilities, as well as extensive cross-group coordination skills.

Taipei, Taiwan

Mandarin , English

🏠 https://makotoatsu.github.io

https://github.com/MakotoAtsu

✉ chris03152008@gmail.com

Experience

Senior Backend Developer

Pinkoi • Feb. 2023 - Current

Senior Backend Developer

KooBits • Apr. 2022 - Aug. 2022

- Introduced Unit Testing into two services and enabled Test-Driven Development.
- Implemented the Unit of Work pattern to address issues with excessive database connection usage.
- Integrated GitHub Actions to enable CI/CD after creating a pull request.

Software Team Lead

PIXIS • Mar. 2019 - Mar. 2022

- Led product development within the team for a comprehensive solution of Network Access Control, IPAM, and Device Discovery.
- Dockerized the product, reducing network probe software IP occupancy by 45%.
- Introduced HAProxy and Redis to enable high availability characteristics for the product.
- Separated the frontend and backend, introducing a JS framework (Vue.js) and modern software architecture to expedite development time.
- Transitioned from .Net Framework to .Net Core, enhancing both the product's performance and security.
- Built a new Custom Report feature, providing users with the ability to create various reports.
- Managed support of 802.1x dynamic VLAN assignment and strengthened product competitiveness.
- Optimized loading performance and increased concurrent usage by 30% every 30 minutes.
- Created a CI/CD pipeline, which shortened the product development life cycle.

Senior Software Engineer

Macronix International Co., Ltd • Feb. 2016 - Mar. 2019

- Designed and improved automation software for semiconductor equipment.
- Independently developed 15 Equipment Automation Programs (EAPs) from the ground up, enabling automatic product measurement and report-data upload.
- Managed and implemented proofs of concept (POCs) for 9 EAPs to automate equipment recipe selection and production.
- Enhanced 54 EAPs based on user demands.
- Developed a Dynamic Calculation system, allowing users to create their own calculation formulas.
- Constructed a new system enabling the Manufacturing Department to collect and control all factory equipment information in real-time.

Firmware Developer (Intern)

Whetron Electronics Co., Ltd. • Jul. 2014 - Jul. 2015

- Developed and maintained firmware for parking sensors.
- Constructed and implemented testing tools for products.
- Built a new testing tool for smart keys, facilitating quicker and more precise product testing execution by operators.

Education

I-SHOU University (ISU)

B.S , 2016

Computer Science and Information Engineering

Skill

Programming Language

- C# .Net
- Python
- TypeScript (JavaScript)

Programming Ability

- RESTful API Design
- OOD / Design Pattern
- System Design

Framework

- Backend
  - ASP.NET Core
  - Node.js
  - Django/FastAPI
- Frontend
  - Vue.js
  - React.js
- ORM
  - Entity Framework
  - Dapper
- UnitTest
  - XUnit
  - Mocha/Jest
  - Pytest

Domain Knowledge

- Network Protocol
  - TCP/IP
  - ARP
  - SNMP
  - 802.1Q
  - 802.1X
- Authentication/Authorization
  - OAuth2
  - OpenId Connect
- Container
  - Docker
  - Docker-Compose
  - MACVLAN

Tools

- Database
  - SQL Server
  - MySQL
  - Redis
  - MongoDB
- Network
  - Wireshark
  - Tcpdump
  - Nmap
- CI/CD
  - Azure DevOps
  - Github Action

References

Clarence Wu

Senior Back-End Developer

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Shih-En Tsai

Senior Back-End Developer

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Hank Chen

Assistant Manager

✉ Hank@pixis.com.tw

Larry Tang

Principle Software Engineer

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