

# PO-CHUN YU

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*Solid Field Experience in Smart Manufacturing and Cloud IoT | C# & React Developer*

## WORK & LEADERSHIP EXPERIENCE

**HID GLOBAL** (Multinational company provides identity devices)

**Taipei, Taiwan**

*Senior Software Engineer*

2020/11 – Now

- Built Real-Time WebUI to show manufacturing statistics, e.g., UPH and yield rate. The system has processed 120k units in the mass-production stage
- Built Production Server which parses logs from test stations in production lines. Reduced data latency from 1 day to 3 minutes.
- Built scalable services by Docker, Actor Framework, Blazor, and EF Core.
- Built the tuning and data collection tool with intuitive UI for capacitive fingerprint devices using WPF with MVVM pattern.

**SMASOFT TECHNOLOGIES** (Startup focuses on Smart Manufacturing)

**Taipei, Taiwan**

*Software Development Lead*

2019/08-2020/11

- Built manufacturing process control system (about 30 machines) and records data to database(MSSQL) by ASP .Net Core and Blazor. The system has also integrated with 3<sup>rd</sup> party's MES.
- Built CI/CD system on GitLab and establish issue-driven development flow which enhances the software team's development speed.
- Improved software delivery by migrating from Windows Installer to Microsoft Azure Blob Service, which allows users to upgrade or downgrade software smoothly.
- Mentored junior developers in OKR practices. Having experience of leading a team of 3.

*Senior Software Application Engineer*

2017/8-2019/8

- Developed robotic arm auto-recovery feature, that reduced downtime by 80%.
- Led robotic arm control software development which integrated machine vision with multiple robotic arms (ABB, Epson, Denso, TM...)
- Completed 3/9 stands in a production line automation project by robotic arm control and machine vision at USI Kunshan, China

**HIMAX TECHNOLOGIES** (IC design house)

**Tainan, Taiwan**

*Software Engineer*

2016/2 – 2017/7

- Conducted C# software development which integrates previous software for internal debugging and factory end testing. It allows the firmware team and FAE to observe and tune IC performance.
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## EDUCATION

**BSc in Mechatronics**

**Tainan, Taiwan**

National Cheng Kung University

2011/9 – 2016/1

- **GPA:** 3.37/4.0 (Overall) 3.8/4.0 (Final 60)
- **Relevant Coursework:** Computer Program Design, C++ Programming Language Design, Microcomputer Control, Robotics Analysis & Control, Computer Control of Feedback Systems
- **Leadership Program for the Future Elites:** Entrepreneur Perspectives, Leadership and Governance

**Student Exchange Program**

**Brisbane, Australia**

Queensland University Of Technology

2015/7 – 2015/11

- **Relevant Coursework:** PLC Mechatronics System Design, Industrial Noise, and Vibration
- **Teamwork:** Collaborated in developing Festo PLC pneumatic control system in a team of 3 students

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## SIDE PROJECTS

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- Personal Website (<https://about.pochun.cloud>)
- Smart Factory Dashboard (<https://smart-factory.pochun.cloud>)
- Factory AGV Control System using ROS2/NAV2 (<https://about.pochun.cloud/projects/agv-ros2.html>)

## SKILLS & INTERESTS

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### Technical Skills:

- Programming Languages  
C# · Python · Javascript · LabVIEW · SQL
- Frameworks  
React · Entity Framework · Docker · Microservice · ASP.NET Core · ROS2 · OAuth2
- Tools  
CI/CD · Jenkins · RabbitMQ · Azure

### Languages:

Native in Mandarin · Advanced in English (TOEFL 106, GRE 318 V:153 Q:165)

### Certifications:

- Azure IoT Developer Specialty from Microsoft
- Certificate LabVIEW Architect from National Instruments