

# Zi-Xiang Wang

Software Engineer

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**Blog**

<https://xiang753017.gitbook.io/zixiang-blog/>

## Skills

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- Golang, Python, Nodejs, K8s, CI/CD, Design Pattern, Architecture Pattern, Software Engineering

## Work History

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## 2022-08 OneDegree

OneDegree, Taipei, Xinyi District

- 2022-2023 (backend engineer)
- 2023 - now (Sr. backend engineer)
- Develop The Insurance Products
  - Involving/ Own Projects:
    - Infrastructure Rewriting (Using New Insurance Platform) 2022 - 2023
    - Normal Insurance Upgrade
      - Home v1 -> v2, v2 -> v5, v5 -> v6
      - PET firev4 -> v5
      - Fire v4 -> v4 (migrate to new system)
    - Fire Product Migration (old system move to new system and rewrite all features)
    - New Payment System
      - I am the insight communicator for this project, a supporter when there are timeline issues or unexpected issues, and a reviewer for the design system.
    - Application Records
      - For all products New Business Purchasing documents
    - Endorsement Flows
      - For customer want to change the policy's flows
    - New Claim System
      - home/fire claim system
- System Improvements
  - Proposed the Architecture to speed up
    - cache mechanism (has 40% improvements)
  - Event Driven
    - Renewal Worker
    - Charging flow
  - Transfer Transaction scripts to module table and DDD style for refactor old codebase
- System Monitor

- Utilize ElasticSearch, NewRelic and Sentry to monitor services
- enhance and improve the development speed
  - Use Swagger tools to generate the documentation instead of writing the script directly. (speed up 50%)
  - Define a new error for deprecated legacy errors.
- Usage Tools
  - gRPC, GORM, OpenAPI, Postgres, ELK, NewRelic, K8s

**2020-08 - 羅傑斯人工智能股份有限公司**  
**2022-07**

*Rogersai, Taipei, Datong District*

- Video Chat Feature via WebRTC
  - Design and Implements a signal server, let device and other products(Web, App) can call video chat through WebRTC
- Notification Service
  - Provide FCM、Phone message API, which is an isolated service
- Extract Database functionalities from monolithic to be a database service
- LDAP three-party sync service
  - Provide a plugin for customers to sync their employee data in LDAP
- Wechat MiniProgram
  - Provide Feishu and Weixin apply a new guest application
  - The customer can use it to open the gate. (Scan QRcode, Show QRCode)
- OA Cloud Service
  - Design and implement the whole system, including database service, auth service, API gateway, broker service... for mini-programs and other products
  - Auto Deploy the production on Alibaba Cloud with K3s after the ci/cd pipeline is completed.

**2018-09 - Teaching Assistant**

**2019-06** *NCCU DCT, Taipei , Wenshan District*

- Advanced Topics in Software Design (2018)
  - It's a Software Engineering class
- Special Projects on Digital Content and Technology (C & D)
  - It's DCT students final project implementation. I help them to solve the tech-problem.

**2017-09 - Research Assistant**

**2019-07** *NCCU SE Lab, Taipei , Wenshan District*

- For Technical Strengthening and Promotion of Wearable Interactive Performance Platform (2017 Aug - 2018 Oct)
- For 區塊鏈支付網路的關鍵技術與工程研發-區塊鏈支付網路的關鍵技術與工程研發 (2018 Aug - 2019 May)
- For 區塊鏈應用於物流之研究與證實 (2018 Sept - 2019 Jun)

## Education

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**2017-08 -**

**2019-07**

**M.D.: Computer Science**

*National Chengchi University - Taipei*

- Member of Software Engineering Lab
- Thesis: Service Management Schemes for Web of Things based on Zero Configuration Networking in a Smart Home
- Published:
  - 汪子翔, 廖峻鋒, "[基於Web Thing Model之mDNS/DNS-SD服務描述機制](#)," 台灣軟體工程研討會 (TCSE), 桃園, 台灣, 2019. (at link No.8 paper)
  - 陶幼慧, 汪子翔, 謝明峯, 陳彥竹, 顏毓廷, "[科技融入運動訓練管理之平台設計及實作](#)", 知識社群國際研討會 (KC), 台北, 台灣, 2017.

## Others

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- Contributed the open source code

- <https://github.com/jinzhu/copier/pull/162> (Accepted, 4k star)
- <https://github.com/go-co-op/gocron/pull/588> (Accepted, 4k star)
- <https://github.com/go-co-op/gocron/pull/592> (Accepted, 4k star)
- <https://github.com/hashicorp/mdns/pull/110>
- <https://github.com/jinzhu/copier/pull/199>
- <https://github.com/mafintosh/dns-packet/pull/96>
- <https://github.com/swaggo/swag/pull/1850> (merged, 10.6k star)
- <https://github.com/swaggo/swag/pull/1854> (merged 10.6k star)