

# Yuhan Pan

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## Summary

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Over 4 years of work experience in **DevOps Engineering and System Automation**

Over 2 years of work experience in **Full-Stack Development**

**Programming Languages:** Java, Python, C/C++, JavaScript, SQL, HTML/CSS

**Frameworks:** Spring MVC, Spring Boot, FastAPI, MyBatis, Node.js, Vue.js, React

**DevOps & Automation Tools:** Git, Docker, Kubernetes, Prometheus, Kibana, Nginx, Tomcat, zabbix, shell, Pinpoint

**Databases & Message Systems:** MySQL, Oracle, PostgreSQL, MongoDB, Redis, Elasticsearch, NATS, Kafka

**Operating Systems:** Linux (RedHat, CentOS, Ubuntu), Windows Server

## Education

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**New York Institute of Technology, Vancouver Campus**

Sep. 2023 { Dec. 2024

Master of Science, Cybersecurity

- **Teaching Assistant** for two classes: Intrusion Detection and Hacker Exploits; Advanced Network Security

**Shanghai University, China**

Sep. 2014 { June 2018

B.S in Computer Science and Technology

## Work Experience

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**China Life Insurance Company Ltd. { Data Center (Shanghai, China)**

July 2018 { Aug. 2022

*System and DevOps Engineer, Project Manager*

June 2020 { Aug. 2022

- **Project Manager** of 4 primary business systems of China Life Insurance Company, including the company's internal **Instant Messaging System**, the **Digital Seal System**, the **Digital Signature System**, and the **Enterprise System Monitoring System** (Based on Pinpoint) with the highest system peak daily transaction volume reaching 350,000
- **DevOps Engineer and System Administrator** of the 4 systems mentioned above. Mainly responsible for the daily operation and maintenance of the systems, including system security, deployment, upgrades, vulnerability remediation, customer IT support, and production fault handling
- Managed cross-functional teams within the department, including development and testing groups, driving **continuous improvement of system features** and **addressing security vulnerabilities**.
- Accomplished the end-to-end development process of the company's internal instant messaging system, from demand analysis to successful production launch, achieving a user base of 300,000 with 100,000 daily active users
- Pioneered the migration of the managed system's database from Oracle to PostgreSQL, **achieving the company's annual target** and becoming the first system within the organization to complete this migration
- **Relevant Certificates:** **System Integration Project Management Engineer** (China, Mid-Level)  
**EXIN DevOps Foundation Certificate**

*Full-Stack Web Developer and DevOps Engineer*

July 2018 { June 2020

- Collaborated in the design and development of a front-end **Vue.js** and back-end **Spring MVC** separated architecture for a Batch Job Management Platform (BMP) to monitor batch jobs, alert administrators, visualize business data for the company's primary business systems, integrating over a dozen systems
- Led continuous enhancement and iteration of features for the Data Quality Management Platform (**Spring Boot**)
- Implemented hierarchical and decentralized permission authentication and management for different user groups
- Developed and maintained a **Kafka** consumer program to process and analyze data from integrated systems
- Awarded the **Innovation Star Award** within the company for the BMP project's success
- DevOps engineer for the Insurance Underwriting Application including daily operations, maintaining system availability and stability, monitoring system and resolving issues

## Projects

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**Relation Service System with NATS and FastAPI** | Python, NATS, FastAPI

Sep. 2024 { Dec. 2024

- Building a newly human relation service system using NATS, and FastAPI, collaborated with Archethought
- Implementing hierarchical access management for Roles, and Users, with features like safety alerts, chat, messaging, and role-based access control for permissions management based on NATS using JWT and Signing Keys.

**Metal Surface Crack Detection** | C++, OpenCV, Qt

Feb. 2018 { June 2018

- Developed a crack detection tool using C++, OpenCV, and Qt
- Automated crack detection on metal surfaces and visualized results with a GUI interface