

Yvxiang Lin (林宇翔)

Age: 27

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Based in: Xi'an

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Desired work location: Shanghai

Experienced in test automation with international team collaboration. Familiar with AI and LLM concepts, with relevant training background.



Education Background

Wuhan Institute of Technology | Bachelor of Engineering in Computer Science

Sept 2016 – Jun 2020

Admitted through China's National College Entrance Examination (Tier One University)

Relevant coursework: Computer Networks, Computer Architecture, Algorithm Design & Analysis, Software Engineering, Database Systems

Professional Skills

- Rich software testing experience:** Skilled in **test planning**, **defect management(JIRA)**, **automated testing (Robot Framework, pytest, Selenium)**, and **CI/CD pipelines (Jenkins)**, **Basic database knowledge(MySQL)**.
- Solid development foundation:** Proficient in **Python scripting**, familiar with **Linux**, **Docker**, **Kubernetes**, **OpenStack**, and **Git-based workflows**.
- Strong communication in English:** **TOEIC Level 6**, **CET-6 certified**, capable of working in **cross-cultural teams** and fully **English-speaking environments**.

Link

GitHub: <https://github.com/LYX-AI/Portfolio.git>

Java API Tester & .NET API Tester Project

A Java-based API testing tool developed using Swing/JavaFX for GUI and HttpClient for sending HTTP requests. This project demonstrates the ability to work with Java technologies.

A WinForms-based API testing tool for .NET using HttpClient to send requests and display responses in a GUI. Showcases skills in developing with the .NET framework.

GitHub: https://github.com/LYX-AI/Pino_website.git & https://github.com/LYX-AI/Algorithm_Exercise.git

Includes regular Python exercises and an ongoing Django web project.

AI Learning Start From Kaggle:

GitHub: https://github.com/LYX-AI/AI_Learning_Start_From_Kaggle.git

This project showcases my learning journey on Kaggle, covering basic machine learning algorithms and model applications.

Keyword Extraction NLP Project:

GitHub: https://github.com/LYX-AI/Keyword_Extraction_NLP_Project.git

This project demonstrates Keyword Extraction techniques in Natural Language Processing (NLP), incorporating various NLP tools and algorithms.

Douyin (抖音): <https://v.douyin.com/iPw1FAwb/>

Personal account sharing daily programming content. Updated continuously.

Working Experience

2022.06-2025.06



Ericsson(Based in: Xi'an, China)

Automation Test Developer

1. Test Tool Development & Automation

AAT (Ericsson Automated Testing Product deployed on the Cloud platform) Development

Client: KDDI , SoftBank (Japanese Customer);Orange(Franch Customer)

Role: Test Automation Developer

1. Participated in the development and maintenance of Ericsson's AAT automated testing platform, implementing new features and fixing bugs in Python based on test tickets and requirements.
2. Used the **AAT tool to design and execute automated test scripts**, completing **multiple rounds of regression testing** for 5G core network modules, improving accuracy and efficiency.
3. Developed and maintained test scripts using **Robot Framework** and Python, achieving **90%+ test coverage** for registration, authentication, and session functions.
4. Designed and optimized automation frameworks, including **custom keyword libraries** for multi-protocol testing (HTTP/3GPP), increasing reusability by **30%**.
5. Created **Selenium-based web UI test cases** for configuration-related front-end features.
6. Wrote **unit tests using Python unittest** for core modules to enhance modularity and maintainability.
7. Used **JIRA** to manage test tasks and track bug progress throughout the project lifecycle, ensuring smooth collaboration between QA, development, and delivery teams.

2. Ericsson China Lab

Role: Cloud Platform Engineer

1. Designed and authored **CloudFormation** templates to define **EC2 instances, VPC topology, IAM roles, and security groups**—fully automating application environment provisioning on **AWS**.
2. Utilized **create-stack** and **update-stack** commands to deploy and manage stacks, enabling rapid environment setup, updates, and rollbacks—significantly enhancing deployment efficiency.
3. Leveraged **Mappings** and **Parameters** in templates to handle environment-specific configurations (e.g., t3.micro vs. t3.small instance types, AMIs) for development and production—boosting consistency and reusability.
4. Developed **Python scripts** to monitor stack lifecycles, ensuring continuous tracking of environment changes and optimizing performance
5. **Test environment network topology design (including LAN/WAN architecture) and end-to-end environment setup**, with **hands-on experience in hardware deployment**, protocol configuration (TCP/IP, VLAN) and cloud platform integration (AWS/Azure).

3. CI/CD Integration & Test Infrastructure Automation

Role: Automation Engineer

1. Integrated automated test suites into **Jenkins pipelines**, enabling daily regression testing and automatic generation of Pandas-based test reports for QA reviews. Reduced manual regression workload by **30%**.
2. Developed **SwiftOps automation scripts** for internal NFVI environments: performed cluster health checks, log collection, and alert notifications, significantly improving infrastructure monitoring efficiency.
3. Deployed and validated **Ericsson 5GCAS DevOps pipelines** (GitLab CI), assisting the team in achieving full- stack CI/CD for cloud-native telecom products.

4. Global Project Support & Customer Delivery

Client : KDDI(Japanese Customer) ; MTN(African Customer)

Role: Technical Support & Documentation Contributor

1. Authored and maintained key delivery documentation (e.g., **AAT User Guide, Kubernetes Deployment Manual**), which were adopted as standardized materials across global teams.

2. Participated in **Japan telecom project**: wrote English test reports, recorded tool demo videos, and helped pass user acceptance testing (UAT) by showcasing core automation functions.
3. Supported **Botswana project** remotely by guiding customer teams through **NFVI self-operation**, streamlining deployment and reducing delivery cycle by **15%**.
4. Delivered **tool training and workshops** to international users, helping them independently operate and maintain automation tools, improving customer satisfaction and reducing post-delivery support requests.

5. Android Testing Practice Project

Role: Environment Setup & Manual Testing Executor

1. Set up a complete Android testing environment on Windows using **Android SDK** (command-line tools), OpenJDK, and platform-tools; configured JAVA_HOME, installed adb, and validated via command-line interaction.
2. Connected to Android emulator, using **adb** connect to simulate Huawei mobile environment and verify APK behavior in a controlled scenario.
3. Practiced command-line driven app operations including **adb install, adb shell, and adb logcat**, verifying log flow, system responses, and app startup integrity.
4. Performed **Monkey** stress testing on a target APK, captured crash logs, and evaluated app resilience.

2020.06-2022.06



Ruijie Network(Based in: FuZhou, China) **Automation Test Engineer**

1. Data Communication Network (DCN) Switch Testing Project

Role: Functional Test Engineer

1. Conducted feature testing for DCN core network switches, covering protocols such as **BFD, SPAN, RSPAN, ERSPAN, IPFIX, and outgroup**.
2. Designed and executed **black-box, white-box, and gray-box test cases** based on technical specifications.
3. Developed **automation scripts using Robot Framework**, and performed continuous performance stress testing via CRT terminal and JavaScript.
4. Set up and configured physical switch test environments, executed baseline performance tests manually, and used **Spirent test equipment** for high-performance validation.
5. **Achievements**: Developed about **180 automation scripts** and identified about **50 defects** within the first 6 months.
6. **test environment network topology design (including LAN/WAN architecture) and end-to-end environment setup**, with **hands-on experience in hardware deployment**.

2. Home Router Project

Role: Performance Test Engineer & Project Coordinator

1. Participated in testing of four generations of home broadband products, including **Jiangsu Mobile network entry testing** and a **Japan hotel AP delivery project**.
2. Coordinated test schedules between **Qualcomm, Broadcom, MediaTek chipset vendors** and customer teams.
3. Conducted **forwarding performance tests** across different chipsets and contributed to pre-deployment evaluation.
4. Experienced in building automated test development environments, with a focus on network automation scenarios: proficient in setting up end-to-end automated testing frameworks

3. Ruijie All-Optical Network Project

Role: Test Development Engineer

1. Built and maintained the company's first **FTTR (Fiber to the Room) testing** environment.
2. Developed and maintained **automation scripts using Robot Framework and Selenium for end-to-end testing**.
3. Created backend **testing tools using Python and Scapy**, and **developed front-end interfaces with Qt for tool visualization**.
4. Generated test reports and provided post-deployment technical support. Also responsible for **mentoring new hires and delivering training**.
5. **Achievements**: Helped projects pass China Mobile and China Unicom group testing; **awarded "New Breakthrough Award"** at year-end.

4. 5G Access Network Project

Role: Test Automation Developer

1. Developed automated test scripts using the pytest framework to support functional and regression testing of 5G access network components.

Personal honor/Company certificate

- 2021: New Breakthrough Award;
- 2022: Ericsson Certified Associate – 5G Core;
- 2024: Ericsson Certified Professional – 5G Core (User Data Management, Policy Control, and Exposure);
- 2024: Ericsson Certified Associate – Ericsson Cloud;
- 2024: Ericsson Certified Professional – Ericsson Cloud;
- 2024: Outstanding Python Programming Instructor for Children
- 2025: AWS Educate Machine Learning Foundations

Hobbies

Animation production, hand drawing, guitar, harmonica, swimming, and Japanese learning.