Ryland Liu

💼 FullStack/Frontend Engineer

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Passionate about **Web3**, **LLMs** (Large Language Models), data science, and emerging technology trends, and believes in the power of coding to change lives and drive business innovation.

🔧 TECHNICAL EXPERTISE

OS	🐧 Linux MacOS ⊞ Windows
Frontend	React.js, TypeScript, Next.js, Vue.js, Vite
Backend	Python, Rust, Go, Node.js, API Design, Database Design (Postgres, MongoDB)
Soft Skills	Excellent communicaton and listening skills, Team collaboration

🏆 CERTIFICATES

Google UX Design Professional Certificate	Nov 2024
Computer and Software Technology Qualification (Software Design Engineer)	Nov 2021
RHCE/RHCSA — **Server Operations**	Jun 2021 - April 2027

💼 PROFESSIONAL EXPERIENCES

PacPort
July 2022 - June 2024

Frontend Engineer

- Led platform architecture design, boosting UI load speed by 30% (measured via Lighthouse).
- Cut post-deployment issues by 40% by standardizing CI/CD pipelines (tracked via JIRA logs).
- Improved conversion rates by 15% through UI optimizations like lazy loading (A/B tested).
- Reduced API/database response times by 20% with caching and indexing (validated by New Relic).
- Built scalable backend services handling 500+ requests (99.95% uptime via load tests).

State Grid Corporation of China (SGCC)
October 2019 - December 2021

Software Engineer

- Achieved 99.99% system uptime (5-year peak) by resolving hardware/software issues, ensuring uninterrupted power supply for 1.1B+ users.
- Reduced network downtime by 10% via traffic analysis and configuration tuning.
- Automated 70% of routine tasks (e.g., alerts, log cleanup) with Python/Bash, saving 15+ hours/month.
- Optimized SQL queries to slash report generation time by 35% (12s →7.8s).
- Built 8+ backend modules (Python/Java), boosting data processing speed by 25%.

</> PROJECT EXPERIENCES

Offerlah Website (click to preview)
September 2024 - Until now

- Drove platform development from concept to launch (0→1) using Next.js
- Built core architecture with SSR/SSG for enhanced SEO and performance
- Implemented image optimization and code splitting features
- Established component library with design team collaboration
- Tech: Next.js, React, TypeScript

Pabbit Desk (click to preview)
November 2023 - June 2024

- Built property/IoT management system using React.js + Go (Gin) for 500+ devices
- Created mobile-optimized dashboard cutting user task time by 40%
- Integrated AWS Cognito for 2K+ monthly users
- Improved API speeds by 35% through backend optimization
- Tech: React, Go, AWS, PostgreSQL

MC2 (click to preview)
July 2022-Jan 2023

- Created real-time data visualization system handling 10K+ AI-generated images/hour
- Built trading interface with Vue 3/WebSocket integration achieving 95% data accuracy
- Reduced data processing latency by 40% through optimized adapter layer design
- Cut API calls by 35% via VueQuery state management implementation
- Tech: Vue 3, React, WebSocket, LLM integration

📇 ENTREPRISE EXPERIENCES

Gronova
September 2024 - until now

Co-Founder

A startup company that bridges the gap between overseas fresh graduates and local businesses by providing precise job matching and addressing information asymmetry.

🏛️ INTERNSHIP EXPERIENCES

Empact
July 2024 - January 2025

Software Engineer

As a professional under supervision, I was responsible for implementing prototype designs, developing code, maintaining Python scripts, and providing various IT support services.

🎓 EDUCATIONAL BACKGROUND

2024.01 2025.01	**University of Suffolk** · Msc International Business and Management Developed problem-solving and analytical skills through data-driven business strategy projects, leveraging tools like Excel and SQL for market analysis. Collaborated in cross-functional teams to design and present scalable solutions for case studies, demonstrating agile project management and technical communication skills.