

WuYunyu

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Summary

- Full-stack engineer with strong experience in React/Next.js, FastAPI, and automation systems.
- Skilled in building scalable full-stack applications, integrating LLMs (Qwen / LLaMA), and designing multi-device automation architectures. Experienced in delivering production-grade systems independently and working with distributed remote teams.

Intention

> Front-end / Full-stack (remote) > Global

Education

2019/09 - 2023/06

Bengbu University— B.Eng.

Mechanical Design, Manufacturing & Automation

- GPA Top 20%
- Recipient of national and provincial awards
- Holder of a utility model patent

Project Experience

Cross-Platform Social Media Automation System Full-Stack

Impact: Automated the entire content publishing workflow, reducing manual work by 90% and enabling 50+ devices to run concurrently.

Tech Stack: Python, Auto.js (JavaScript), Playwright, Qwen API, OCR/OpenCV, SSH automation, AdsPower

Overview:
Designed and built a fully automated cross-platform content distribution system.

Responsibilities & Achievements:

- Designed a real Android device cluster architecture using Auto.js + Termux to simulate real user interactions at the App level, avoiding web-side risk control.
- Built a behavior simulation engine (gesture offsets, random latency, real browsing trajectories) to improve account safety and reduce detection rates.
- Integrated Qwen LLM + template engine to generate localized and personalized content at scale.
- Developed a visual anomaly detection module: auto-screenshots + OCR to detect CAPTCHAs, risk warnings, login blocks, with automated rule-based responses.
- Built a Python-based task scheduling platform supporting concurrency, task retrying, device health checks, and execution monitoring.
- Integrated AdsPower API for multi-account isolation, profile switching, and environment control.

Results:

- Stable concurrency across 50+ devices, task success rate >95%
- Reduced manual operational cost by 90%+
- Increased content output efficiency 10×
- More natural content style and significantly higher account survival rate

NEWS Global Aggregator Platform<https://www.antiquenews.xyz> **Full-Stack**

Impact: Built a scalable AI-powered news system with automated data pipelines and SEO-ready SSR pages.

Tech Stack: Next.js 14, React, TypeScript, Zustand, TailwindCSS, FastAPI, PostgreSQL, LLaMA, Docker

Overview:

A global news aggregation system covering the entire pipeline:

collection → cleaning → storage → summarization → search → SSR rendering

Responsibilities & Achievements:

- Designed and implemented the full architecture (Next.js + FastAPI) with modular, scalable structure.
- Built an asynchronous crawler framework for multi-source data collection with cleaning, deduplication, and task scheduling.
- Designed PostgreSQL schemas and async ORM queries enabling high-performance pagination and search.
- Integrated a local LLaMA model for news summarization, keyword extraction, and title generation.
- Implemented full-text search, timeline filtering, and infinite scrolling.
- Built a production-ready deployment workflow (Docker, Nginx, systemd).
- Implemented SSR/CSR hybrid rendering, improving SEO and mobile performance

Results:

- 40%+ faster first-screen rendering
- Automated multi-source news generation
- Successfully indexed by Google with strong SEO performance

Enterprise Management Systems (MES / WMS / OA / Smart Community)**Front-end**

Impact: Delivered stable enterprise modules with high component reusability and strong permission control.

Tech Stack: Vue.js, Vue-Router, ElementUI, Axios, Webpack, Apifox/MockJS

Overview:

Developed multiple enterprise-level ERP/OA systems with complex workflows, reusable UI components, and strict role-based permission control. Systems included MES production management, WMS warehousing, OA approvals, and community management platforms.

Responsibilities & Achievements:

- Participated in frontend architecture design; responsible for API standardization, data model adaptation, and error-handling mechanisms.
- Implemented Axios request/response interceptors, global token injection, unified permission checks, and failure recovery.
- Built dynamic routing with role-based guards using Vue-Router.
- Conducted component engineering: custom table/form/chart/dialog components, significantly improving

reusability.

- Applied Webpack optimization: code-splitting, lazy loading, and tree-shaking to improve first-screen performance.
- Created mock APIs using Apifox + MockJS to accelerate parallel frontend-backend development.

Results:

- Increased reusable component rate 30%+
- Reduced permission-related issues 70%
- Improved development efficiency by 20–25%

Work Experience

2023/06 - Now

Independent Developer

Frontend / Full-Stack Engineer

Self-employed full-stack engineer providing software development services to enterprise clients.

- Provide software development services for enterprise clients, including frontend architecture, backend API development, and database design.
- Contributed to multiple enterprise management systems (MES / WMS / OA), focusing on permissions, component engineering, and API integration.
- Independently designed and shipped multiple full-stack applications (news platform, automation system, etc.).
- Applied LLM technologies, local model deployment, and multi-device automation in production-grade projects.

Internship Experience

2021/07 - 2021/09

Iflytek Co.,Ltd

Embedded Development Intern

- Participated in integrating iFlytek speech-interaction SDK.
- Gained understanding of modular architecture and collaborative workflows in large-scale projects.
- Authored test cases and executed systematic performance and stability tests for voice assistant modules.

Technical Skills

Front-end: React, Next.js, Vue.js, TypeScript, Zustand, TailwindCSS

Backend / Full-Stack:FastAPI, PostgreSQL, Docker, Nginx, AsyncIO

LLM & AI: Prompt Engineering, Qwen / LLaMA integration, local deployment

Automation: Auto.is, Playwright, OCR / OpenCV, behavior simulation, multi-device orchestration

DevOps: Linux, Docker, Uvicorn, systemd, CI/CD automation