

Skills

AI and agents	MCP, multi-agent integration (Claude, Codex, ACP), Langfuse tracing, LLM gateway, Dify, RAG, prompt engineering
Backend	Go (huma, pgx), TypeScript, Node.js, Java (Spring Boot, MyBatis-Plus, JUC)
Front end and desktop	React, Next.js, Vue 3, Tailwind, Electron (multi-platform packaging and auto-update)
Data	PostgreSQL, MySQL, Redis, RabbitMQ, SQLite, MinIO, dbt, Lightdash
Engineering	Docker, Kubernetes (kind, Kustomize), CI/CD, OpenAPI contract generation, Playwright end-to-end tests
Languages	Chinese (native), English (fluent)

Experience

ZhongAn Information Technology (Shanghai) Full-stack / platform engineer 2026.03 – present

The technology arm of ZhongAn Insurance, an online-only insurer. Includes three months as an intern before graduation. The team builds Brain, an AI agent desktop workbench (Electron, React and Node; Go in the cloud); I own the modules below.

Agent platform

- **LLM observability (Langfuse):** Traces had been reconstructed from message shapes, which broke sub-agent nesting and lost replies. Rebuilt it around an **event contract and a single collector**, with an in-memory upload queue and a SQLite fallback that retries and catches up after restart. Added a trace tree to the admin console with personal, department and company views. **In production.**
- **Shared browser:** Designed one Browser Host so a person and an agent **share the same page, tabs and login session**, with action highlighting, takeover at any moment, per-site authorisation, session isolation, encrypted password storage and Chrome data import.
- **Design extension:** Ported Open Design, an open-source AI design workbench, into Brain, then rebuilt it as a standalone extension with **333 design skills**, and added two extension-platform APIs. Gave a 30-minute talk on it to the team.
- **Documents and desktop:** Office and PDF preview, and a Markdown editor with rich-text, source and diff modes. Built the desktop release and auto-update pipeline; fixed Windows start-up blocking, installer build contamination and non-ASCII paths.

AI tooling and infrastructure

- **LLM gateway:** Selected, containerised and deployed three generations on the intranet, with unified keys, quota and usage. Grew from the 8 people on my team to **40+ users**, then handed it over.
- **Usage metrics:** Session logs → PostgreSQL → dbt → Lightdash dashboard, so AI tool usage became measurable.
- **Deployment and docs:** **Deployed Brain to Kubernetes** with kind and Kustomize, building the release scripts from scratch; set up a MkDocs documentation site and wrote 30 pages of user documentation.

Anhui Xingrong Technology AI application developer, intern 2026.01 – 2026.03

- Full-stack work on an AI project-management platform (Spring Boot 3, React 18, PostgreSQL): **37 REST endpoints, 10 tables, 8 screens.**
- Used Spring AI to parse documents and break them into tasks; took part in designing SSE streaming responses and the human-in-the-loop review step.
- Took part in evaluating on-premise deployment of GLM-4 and Qwen3 on a 16 × RTX 4090 cluster.

Anhui Sanlian Robotics Java developer, intern (university partnership) 2025.06 – 2025.09

- Rebuilt the company website backend on Spring Boot, reworked MySQL indexing and async processing, and moved the core flow onto RabbitMQ; peak throughput reached **2,000+ QPS.**

- **Price aggregation (Go):** OKX, Jupiter and other exchanges; 50+ tokens polled concurrently every second, **8 million+ calls a day**, with local caching, dynamic timeouts and adaptive rate limiting.
- **On-chain signals:** Listens for new-token events on BSC and Solana, aggregates them over a five-minute window and pushes the result to the trading system over RabbitMQ.
- **Trading review platform:** Built on my own from scratch (Next.js 15, TypeScript, React Query, Lightweight Charts), used by the in-house trading team for daily reviews.

Projects

AI sales practice platform for insurance

Built alone

2026.08 – present

A sales practice and assessment product that ZhongAn Information Technology is planning for the insurance industry, now an internal prototype. I did the research, wrote the product and technical plans, and built the admin console, the trainee app and the backend on my own.

Stack Go (huma, pgx, goose), PostgreSQL, React 19, TanStack Query, Ant Design, pnpm monorepo

- **Role-play and exams:** An LLM plays the customer in a streaming conversation, driven by persona cards, an objection library and a compliance library. AI writes a scored report and rewrites the key turns; exams are composed automatically; the customer, scoring and summary roles can each use a different model.
- **Content:** The clause and standards libraries take original documents, let AI organise them and need a person to confirm each chapter before review and release. Published versions keep reference snapshots, and data that is referenced cannot be deleted.
- **Engineering:** Go → OpenAPI → TypeScript contracts are generated, so the front ends and the backend share one set of types; one make check gate (lint, migrations, types, dependency direction); race and database tests run before release; 49 Go test files and 11 Playwright end-to-end suites.

Tamora, beauty e-commerce platform

Full-stack, delivered alone

Live: tamorabeauty.com

A multi-brand beauty store for the Middle East, delivered end to end by me, from requirements and system design to deployment.

Stack React 19, Express 5, TypeScript, PostgreSQL, Prisma; admin console in Vue 3 and Naive UI

- Storefront, API and a Chinese admin console on one schema of **29 tables**: products, cart, checkout, orders, email notifications, shipping and RBAC staff roles.
- **Stripe** payments (including Apple Pay and Google Pay) and Facebook and Google sign-in; deployed with Docker and Nginx.

ALDEN ROYSTON, luxury watch platform

Full-stack, delivered alone

Live: aldenroyston.com

A luxury watch platform for the Middle East in English and Arabic (right-to-left), delivered across three iterations.

Stack React 19, Vue 3, Spring Boot 3, MySQL, Redis, MinIO

- Products, RBAC and file management across 14 tables; full internationalisation, including an **Arabic right-to-left layout** and per-language database fields.
- **1,200+ organic search clicks and 4,300+ impressions** in its first 28 days; versioned Docker releases.

Education

Anhui Sanlian University

Bachelor's degree, Computer Science and Technology

2022.09 – 2026.06

Certificate: Software Designer, intermediate level (China's national qualification exam for computer and software professionals)

Summary

- I can take an agent-platform module from research and selection to production on my own: write the plan and the trade-offs first, deliver and verify in stages, and leave documentation someone else can maintain.
- Full-stack delivery on my own: two sites for overseas clients, from requirements to launch.
- I work AI-native every day: plan-driven development, generated contracts and automated gates, for speed without giving up quality.