

PROFESSIONAL SUMMARY

Seasoned full-stack developer with a GitHub open-source project (100+ stars) and more than ten independent website services built from scratch. Passionate about and knowledgeable in LLM Agent + Function Calling + MCP + RAG, Tools technologies. Expert in Node.js, NestJS, Express, React, Vue, Webpack, Vite, and micro front-ends, delivering responsive, high-performance applications across PC, mobile, and desktop. Proficient in microservices, AWS, SEO, and performance optimization. Passionate about clean, test-driven code (TDD, E2E) and cutting-edge tech. Independently handled 80% of front-end, back-end, and cloud deployment in collaborative, user-centric projects.

KEY TECHNICAL SKILLS

Frontend	Backend	DevOps & Others
JavaScript, TypeScript, React, Vue.js, Next.js, Webpack, Vite, Tailwind CSS, Micro Frontend	Node.js, Python, Java, NestJS, Express, tRPC, MySQL, MongoDB, Redis, RabbitMQ	AWS, Docker, Nginx, GitHub Actions, GitLab, Jenkins, Cypress, Jest, Electron, React Native

PROFESSIONAL EXPERIENCE

International e-commerce independent website - (Senior Full Stack Engineer)

2023/06 - now

Description: Independently architected and delivered a scalable full-stack e-commerce platform with high availability, low-latency order processing, serverless deployment, SEO optimization, and automated CI/CD and testing pipelines, resulting in significant performance, cost, and maintainability improvements.

Tech Stack

Next.jsNode.jsNest.jsRedisRabbitMQAWSGitLab CI/CD

- Using **Lambda Serverless** architecture to deploy Next.js applications, optimizing scalability and **40% cost reduction**. Front-end resources hosted on **S3** and **CloudFront** are efficiently distributed via **CDN** routing.
- Enhanced **SEO** for a **Next.js** e-commerce platform by implementing **incremental static regeneration (ISR)** and dynamic sitemap generation, improving page load speed by **30%** and increasing organic search visibility.
- Designed and optimized a **high-concurrency** order-snapping service using **Node.js**, **Redis**, and **RabbitMQ**, leveraging **Lua scripts**, distributed locks, and async queues to reduce order processing latency from **200ms to 50ms**, stably handling **100,000** requests per second.
- Implemented **GitLab CI/CD** pipeline to efficiently achieve automated deployment and regression testing, enhancing development and operational efficiency.
- Deployed scalable and high availability full-stack services on **AWS** with **EC2**, **Load Balancer**, and **Auto Scaling Groups**; leveraged **Docker + Docker compose** for containerized deployment, enhancing system performance and responsiveness.
- Integrate **Cypress E2E** testing and **Lighthouse CI** for comprehensive testing and performance monitoring, Greatly improved the fault tolerance and maintainability of the project, keep consistently **high performance** scores above **95 points**.

Tencent Technology (China) Co., Ltd - (Senior Full Stack Engineer)

2021/05 - 2023/03

Description: Designed and implemented a SaaS-based low-code platform for enterprise-level data analytics, enabling external database integration, data modeling, field cleansing, and dimension configuration. The platform empowers users to complete the entire data pipeline—from ingestion to BI visualization—without writing any code.

Tech Stack

ReactVueNode.jsMonorepoMicro FrontendWebpackRollupPuppeteerSASS

- Responsible for **core rendering engine**, system design, maintenance, and code review of **low-code BI visualization platform**, Built a **remote plugin system** and **CLI scaffold**, streamlining development workflows and boosting efficiency.
- Developed an innovative **code isolation component**, seamlessly integrating React code into Vue projects using **online Babel for JSX parsing**, and optimizing performance with **Web Worker** to address Babel parsing issues, combined with **JS Sandbox** and platform variable injection to create a **highly secure isolation environment**, preventing user code from accessing site JS memory variables, ensuring system security and data privacy
- Architected the internal component library with **dynamic resource extraction via webpack external**, compiling only component source to avoid asset precompression; developed a **custom Babel plugin** for **AST-based** CSS injection, enabling both tree-shaken and full imports to optimize build performance and reusability.
- Built a **serverless** service using Node.js to generate web page screenshots with **Puppeteer** and automatically push them to users, enabling low-cost, maintenance-free automation.
- Led greenfield development and optimization of core **micro-frontend** infrastructure (routing, lifecycle, resource loading). Utilized **cross-framework communication** and **sandboxing** to decouple business modules, enabling multi-stack (React/Vue) parallel development and providing a robust foundation for large-scale SaaS platform iterations.
- Led the splitting of a large-scale project into **monorepo multi-package** management, making it easier to maintain and decouple. Implemented **multi-version build solutions** for the SASS platform.

YY Live, Bigo Live Technology - (Mid-level Frontend Engineer)

2019/04 - 2021/04

Description: Data Content Processing Platform Developer

Tech Stack

Web ComponentReactVueReduxVuexWebpack

- Built a reusable Component library with [Web Component](#) and Shadow DOM, enabling cross-framework integration and powering a design system used by 3+ teams
- Design and development of an innovative [Webpack skeleton screen plugin](#), reducing page load time by **30%** through intelligent pre-rendering techniques, significantly enhancing perceived performance.
- Enhanced project build performance, achieving an **16MB** reduction in package size and a notable increase in build access speed.
- Responsible for developing and maintaining the internal YY live data content processing platform, as well as audio and video streaming playback. Participated in the engineering of remote public library sharing using [module federation](#).
- Led the refactoring of the PC project into a responsive project to meet the needs of mobile office work.

Rapeseed Flower Game Technology - (Frontend Engineer)

2018/02 - 2019/03

Description: Game Store Management System (Desktop)

Tech Stack

React

Node.js

Electron

Webpack

- Developed a reusable [Electron printing component](#) and enhanced frontend data caching with IndexedDB and WebSocket.
- Optimized UI animations and image uploads using requestAnimationFrame and canvas-based compression for improved performance.

EDUCATION

Bachelor's Degree in Computer Science

2013 - 2017