

- Name: Nat Chen
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- Desired Position: Full Stack Web Developer / Senior Frontend Developer

Summary

Experienced Full Stack Web Developer with over 5 years of expertise in delivering 10+ online projects. Skilled in creating highly scalable, high-performance projects from concept to deployment. Proven ability to troubleshoot and solve complex problems efficiently. Self-driven, technically adept, effective communicator, and adept problem solver. Fluent in both written and spoken Chinese and English.

Professional Skills

- Proficient in HTML, CSS, and JavaScript (TypeScript) for rapid development of high-quality web front-end applications.
- Mastery of Vue.js and React.js ecosystems, with in-depth study and research on underlying principles and performance optimization.
- Proficient in server-side development using Node.js and NestJS, with understanding in areas such as Nginx, RabbitMQ, Etcd, login permissions, scheduled tasks, and exception monitoring.
- Extensive experience in developing WeChat Mini Programs, Official Accounts, and hybrid native app development.
- Expertise in utilizing Webpack for front-end bundling, with a deep understanding of its underlying mechanisms and optimization strategies.
- Proficient in working with databases, including relational (MySQL) and non-relational (MongoDB, Redis), using ORM libraries such as TypeORM and Prisma for efficient data operations.
- Experience in end-to-end project development, from inception to deployment, with practical optimization in scaffolding, code standards, and version control practices.
- Proficient in Docker for automating CI/CD workflows, with hands-on experience in GitLab, GitHub, and Jenkins for automation integration.
- In-depth understanding computer foundations, including HTTP communication protocol, common design patterns, and data structures.
- Capable proficiency in Next.js development for CRUD requirements.

Work Experience

Penguin Network Technology Company - (2018/11 - 2023/07) - Senior Frontend Developer

- Overview: Adult online education SaaS platform with administrative and student terminals, offering end-to-end services from student marketing to learning, exams, and supervision.
- Responsibilities: Lead the development and maintenance of core products, focus on building and optimizing foundational tools to enhance team development efficiency and collaboration.

Lailailai Technology Company - (2018/03 - 2018/11) - Junior Frontend Developer

- Overview: Provides comprehensive management services for hotels and guesthouses, integrating features such as marketing, services, and team collaboration.
- Responsibilities: Responsible for the daily development and maintenance of the company's portal website and mini-program.

Poppy & Micheal Company Limited - (2014/05 - 2017/12) - Overseas Sales Representative

- Overview: A trading company involved in research, production, and sales, specializing in artificial flowers, with products sold in overseas markets.

Company Projects

Admin Management System

- Project Description: Educational management platform with modules such as marketing, course/content/student management, supervision, and statistics.
- Tech Stack: Vue + Vuetify + NestJS + VideoJS + CryptoJS + Echarts + FabricJS + Docker
- Achievements:
 - Defined a standardized project code structure, basic configurations, and coding standards, encapsulating them into a scaffolding tool to enhance team development efficiency.
 - Continuously optimized project performance metrics, comprehensively improving development and user experience from various perspectives such as Webpack bundling, code implementation, and HTTP optimization.
 - Introduced NestJS applications to extend front-end capabilities and assist Java backend in certain areas.
 - Implemented key features such as large file uploads, login and permission management, virtual lists, visualization dashboards, visual image editing, and encapsulation of common components and custom directives.

Mobile Learning System

- Project Description: Student platform offering one-stop services from enrollment, learning, exams, to graduation.
- Tech Stack: Vue + VideoJS + CryptoJS + Docker
- Achievements:
 - Developed features for WeChat Official Accounts and Mini Programs, including authorization login, and payment.
 - Engaged in hybrid development with native apps, applying multiple functional modules directly using H5 pages.
 - Implemented CryptoJS for encryption and decryption of data between the front-end and back-end to prevent sensitive data leakage.
 - Used VideoJS to enable live streaming, video, and audio playback, supporting breakpoint resumption, real-time display and submission of learning progress, and monitoring of cheating behaviors.
 - Utilized WebRTC for audio-video and screen recording to ensure the authenticity and credibility of the learning process.
 - Achieved containerized deployment of the project using automation scripts and Docker.

Personal Projects

Portfolio

- Designed a personal website showcasing information, experience, and project previews
- Technical stack: NextJS/React/Tailwind
- [Source Code](#)

Conference Room Reservations

- Developed a system for managing conference room reservations, achieving user registration/login, role-based access control, sending email verification codes, and other functionalities.
- Technical stack: React/AntD/NestJS/MySQL/Redis
- [Source Code](#)