

SHAON HUANG

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EDUCATION

Beijing University of Posts and Telecommunications, Bachelor's Degree 09/2018 – 06/2023

- Major: Computer Science and Technology – Digital Media Technology
- Key Courses: Data Structures, Database Technology and Applications, Computer Networks, User Interface Design, Motion Graphics Design, Computer Graphics, Web Front-End Development, Web Back-End Development, Mobile Application Development

WORK EXPERIENCE

Baidu AI Cloud, Beijing, China 01/2021 – 08/2021

(ACG Web Construction and Cloud Marketing Department) *Front-End Intern*

- Led development of Baidu AI Cloud-BCM (24×7 cloud monitoring), migrating legacy front-end interfaces, iterating features, and delivering new site & application monitoring modules. Refactored from Er (MVC) to San (MVVM), boosting UX and single-page interactivity.
- Owned Baidu AI Cloud-VOD (Video Creation & Distribution) migration from legacy BUI to SUI, proactively addressing UX workflow issues and cross-browser style inconsistencies to deliver a markedly more consistent user experience.

Absotlute IT, Australia 2024/01 – Present

(INDOS - Independent Online Solutions) *Full Stack Engineer*

- Implemented legacy system features (EJS/Express), including unit tests, coupon system, scheduled POS file uploads, and Google Analytics & Matomo integration, increasing monthly active user monitoring coverage by 80%. Integrated Sentry for crash monitoring, reducing average error response time by 96%.
- Led migration of front-end (Remix+React) and back-end (encore, Rust) from legacy stack, leveraging AI to accomplish 86% of front-end and 40% of back-end migration in one month, equivalent to 2.5 FTE. Challenges included consistently outputting high-quality code and refactoring scattered EJS business/service logic.

Chad

(Front-End Engineer)

- Tech stack: Remix (React), Shadcn UI, Radix UI, Firebase, Framer Motion, Tailwind CSS, Zustand
- Responsible for developing front-end modules, including navigation bar and account settings pages, and collaborating with the backend to address Firebase JWT authentication and related requirements.
- Implemented pixel-perfect animations and custom components from Figma designs, unifying interaction language to improve user retention and build brand trust.
- Built modular frontend pages using the above tech stack, designing and implementing backend data-driven pages to increase system flexibility, such as a backend-driven navigation bar.

PORTFOLIOS

V2rayX (Electron Version)

- Designed and developed a cross-platform proxy client based on Electron, supporting Windows, macOS, and Linux. Integrated multiple proxy protocols (VMess, VLESS, Trojan), supported various proxy modes (Global, PAC, Rule), and provided node subscription and QR code import features. Integrated Sentry for real-time crash monitoring, reducing incident response time by 40%. Achieved 1,100+ daily active Snap users and 16,794+ total GitHub downloads (stats link).
- Built a modular and scalable frontend architecture with React, MUI, Vite, and Tailwind CSS, integrating Sentry for crash monitoring (40% faster incident response) and enabling rapid feature delivery, maintainability, and extensibility.
- Developed a fully automated CI/CD pipeline with GitHub Actions, supporting multi-platform packaging (deb, dmg, exe, etc.), significantly improving development efficiency and delivery speed.

V2rayX (Rust/Tauri 2 Refactor)

- Led the migration of V2rayX from Electron to a modern Rust + Tauri architecture, achieving substantial gains in performance, stability, and resource efficiency. Reduced code duplication by 40%, improved startup speed by 2.3 times, decreased memory usage by 75.2% (161.4MB→40MB), and minimized installer size by 76.74%.
- Applied advanced Rust paradigms for type safety and error handling, eliminating 80% of redundant exception logic and increasing code coverage to 85%, resulting in a highly robust and maintainable codebase.
- Implemented comprehensive UI internationalization (supporting over 10 languages, including Chinese, English, Persian, etc.) and major UX enhancements, such as dark/light themes, activity logging, and service sharing. Built

on a full-stack Remix architecture with TypeScript, ESLint, and Husky for code quality, and Rust for secure and high-performance backend logic.

SKILLS

- **Full-Stack Engineering:** Deep understanding of the full product engineering lifecycle with hands-on experience in frontend (React, Remix) and backend (Node.js, Rust). Proficient in build environments, CI/CD automation, and cloud deployment. Not limited to any specific language—expertise in JavaScript, TypeScript, and Rust—highly adaptable to varied tech stacks and project needs.
- **Developing Tools & Practices:** Proficient in Linux development, agile workflows, DevOps practices, and unit testing. Extensive team collaboration experience, highly skilled with Git for efficient project management.