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 providing 24×7 cloud product monitoring and alerting services. Responsible for migrating legacy frontend interfaces to new versions, maintaining feature iterations and upgrades, and developing new site monitoring and application monitoring modules. Refactored pages from Er framework (MVC) to San framework (MVVM), improving user experience and enhancing single-page application 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 using EJS/Express stack, including unit testing frameworks, coupon management system, scheduled POS file upload automation, 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 from legacy stack to modern architecture with Remix+React frontend and Encore(Rust) backend. Leveraged AI capabilities to accomplish 86% of frontend features and 40% of backend services migration within one month, equivalent to 2.5 FTE workload. Key challenges: maintaining consistent high-quality code output and refactoring scattered EJS business logic and service code distributed across multiple files.

Chad

(Front-End Engineer)
- Tech stack: Remix (React), Shadcn UI, Radix UI, Firebase, Framer Motion, Tailwind CSS, Zustand
- Developed frontend modules including navigation bars and account settings pages, collaborating with backend team to implement Firebase JWT authentication and resolve related authentication 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 built on Electron, supporting Windows, macOS, and Linux. Integrated multiple proxy protocols (VMess, VLESS, Trojan) with support for various proxy modes. Achieved 1,100+ daily active users on Snap platform and 16,794+ total GitHub downloads.
- Built a modular and scalable frontend architecture with React, MUI, Vite, and Tailwind CSS. Integrated Sentry for crash monitoring, reducing error response time by 40%.
- Developed a fully automated CI/CD pipeline with GitHub Actions, supporting multi-platform packaging (deb, dmg, exe, etc.), significantly improving development efficiency.

V2rayX (Rust/Tauri 2 Refactor)
- Led the migration of V2rayX from Electron to a modern Rust + Tauri architecture, achieving substantial performance improvements. Reduced code duplication by 40%, improved startup speed by 2.3x, decreased memory usage by 75.2%, 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%.

- Implemented comprehensive UI internationalization (10+ languages) and major UX enhancements including dark/light themes and activity logging. Built with Remix architecture using TypeScript, ESLint, and Husky for code quality.

Skills

- **Full-Stack Engineering**: Comprehensive understanding of the complete product engineering lifecycle with hands-on experience in frontend technologies (React, Remix) and backend development (Node.js, Rust). Proficient in build tooling, CI/CD automation, and cloud deployment strategies. Language-agnostic approach with deep expertise in JavaScript, TypeScript, and Rust—highly adaptable to diverse tech stacks and project requirements.
- **Development Tools & Practices**: Expert-level proficiency in Linux development environments, agile development methodologies, DevOps practices, and comprehensive testing strategies. Extensive collaborative development experience with advanced Git workflow management for efficient project coordination.