

ROBERT NIEMELA

FRONT END ENGINEER

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SUMMARY

Front-end Engineer with 4 years experience building modern frontend web apps, specializing in building high-performance Vue.js and Nuxt.js SPAs. Expertise in CSS/SASS styling, TypeScript enforcement, and test automation (Jest, Cypress) to deliver responsive, accessible UIs integrated with RESTful APIs

SKILLS

Frontend: Vue.js, Nuxt.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Sass, Bootstrap, Pinia, Vue-Router, Vuelidate, Axios

Backend & Data: Laravel, PHP, MySQL, Firebase, Netlify Functions, REST APIs

Tooling & DevOps: Webpack, Cypress, Jest, BrowserSync, CI/CD, Git, Jira, Postman

PROFESSIONAL EXPERIENCE

Software Engineer I

Jun 2022 – Apr 2025

Goodwill of Central and Northern Arizona

- Led architecture and development of large Vue.js features like a YouTube video portal and dynamic user intake flow, built as full SPA experiences
- Migrated monolithic PHP/jQuery frontend to modern Vue.js architecture with RESTful API integration and vue-router, improving maintainability and modularity
- Refactored massive SCSS codebase into maintainable global design system, reducing CSS by 80% and improving load speed
- Optimized Webpack with dynamic imports (e.g., pdfmake) to reduce initial load time by 40%
- Integrated Cypress e2e tests, Vuelidate form validation, and Pinia for robust, testable state management
- Reduced dashboard API latency by 60% by refactoring Eloquent queries and optimizing model relationships
- Mentored team via whiteboarding, documentation (Notion), and technical demos

Developer

May 2021 – Apr 2022

Chapman Automotive Group

- Built pixel-accurate UIs from Figma using Vue/Nuxt with Axios-backed data interactions
- Strengthened codebase using TypeScript and Jest unit tests
- Enhanced UX and SEO with mobile-first responsive design and semantic HTML accessibility improvements

FREELANCE DEVELOPER

Developer (firecrackersaz.com/)

Apr 2025 – Jun 2025

Firecrackers AZ Softball League

- Led full website redesign and rebuild using WordPress, creating a dynamic content architecture to allow league staff self-management
- Handled full product lifecycle: requirements, design, dev, and live deployment

PROJECTS

Somni - Personality Analysis App (somni.netlify.app/)

- Designed and created full-stack app for AI personality analysis with Stripe payments and quiz logic
- Vue 3, Bootstrap, TypeScript, Firebase auth/db, Netlify functions, OpenAI integration, Pinia state management, Vue-Router

EDUCATION

A.A.S. in Web Design, Mesa Community College, Mesa, AZ

Aug 2018 – May 2020

CERTIFICATIONS

Foundational Leadership Academy, Goodwill

Completed Apr 2024

- Completed structured five-week leadership training covering communication, conflict resolution, and team empowerment