

Yashwanth Kumar Vandanapu

Senior Software Engineer, Front-End

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Professional Summary

Seasoned Senior Software Engineer with 7+ years of progressive experience architecting and developing high-performance front-end systems for enterprise SaaS applications. Proven track record in leading scalable, modular front-end architectures using modern frameworks such as ReactJS, Next JS, VueJS, and TypeScript. Adept at collaborating with UX teams to deliver intuitive, accessible (WCAG 2.1 compliant) user experiences while enforcing rigorous code quality, test-driven development, and CI/CD practices. Recognized for mentoring teams and driving innovation in componentized design and performance optimization. Experienced in leveraging AI-assisted development tools like GitHub Copilot and working with both SQL and NoSQL databases for scalable backend integration.

Technical Proficiencies

- **Languages & Web Technologies:** HTML5, CSS3, JavaScript (ES6+), TypeScript, AJAX, JSON, XML
- **Frameworks & Libraries:** ReactJS, VueJS, Angular, Next.js, NX, Redux, Storybook, Vuetify, Angular Material, Twitter Bootstrap
- **Testing & CI/CD:** Jasmine, Jest, Karma, React Testing Library, Cypress, Selenium; Jenkins, GitHub Actions, Grunt, Gulp
- **Tools & Version Control:** NPM, Webpack, Bitbucket, GitLab, SVN, Git, JIRA, Slack
- **APIs & Integration:** RESTful APIs, GraphQL, tRPC, Node.js
- **Databases:** PostgreSQL, MongoDB, MySQL (SQL and NoSQL)
- **AI & Dev Tools:** GitHub Copilot, Cursor, Tabnine, IntelliCode
- **Accessibility & UX:** AODA, WCAG 2.1 standards; NVDA, VoiceOver, Talkback, WAVE extensions
- **Architecture & Best Practices:** Scalable front-end architectures, componentized design patterns, performance optimization, test-driven development

Professional Experience

SurveyMonkey, Canada - Senior Software Engineer - October 2023 – Present

- Led design and development of scalable, maintainable, and modular front-end architectures for enterprise SaaS applications.
- Architected reusable UI components in ReactJS and Next.js, reducing code redundancy by 30%.
- Delivered WCAG 2.1-compliant interfaces with rigorous accessibility testing.
- Maintained CI/CD pipelines using Jenkins and GitHub Actions.
- Mentored junior engineers in Redux, state management, and design patterns.
- Integrated GitHub Copilot into development workflows for productivity and consistency.
- Developed API's using Node JS and Python
- Developed GraphQL queries
- Supported backend data flow and UI analytics using PostgreSQL and MongoDB.
- Designed and maintained **NX monorepo CI/CD pipelines** using **GitHub Actions**, automating builds, tests, linting, and release workflows across multiple web apps and npm packages

Canada Life Digital Hub, Canada - Application Developer - March 2023 – September 2023

- Led RRSP and TFSA process migration to a VueJS 3 web app using composable APIs and Pinia.

- Established Jest/Karma testing frameworks, cutting defects by 40%.
- Collaborated with cross-functional teams to align UI with product goals.
- Developed high-performance REST API integrations.
- Developed API's on node.js
- Used GitHub Copilot to streamline component creation and logic wiring.
- Handled SQL queries and integrated NoSQL for caching user form data.

CITI Bank, Canada - *Senior Software Engineer* - August 2022 – March 2023

- Rebuilt enterprise dashboards in ReactJS with Redux state management, improving efficiency by 25%.
- Reduced bugs via structured unit/integration testing.
- Integrated backend APIs into scalable frontend components.
- Used Tabnine and Copilot to speed up iterative development.
- Built a report caching layer using PostgreSQL for enhanced performance.

Telus, Canada - *Frontend/Full Stack Developer* - May 2021 – August 2022

- Designed micro-frontend architecture with ReactJS and Next.js for scalable modules.
- Handled real-time data integrations for live platform interactions.
- Delivered mobile-optimized, accessible interfaces.
- Developed backend utility microservices using MongoDB and Node.js.

FactSet, India - *Software Engineer II* - November 2020 – May 2021

- Modernized legacy AngularJS apps using VueJS/Angular for responsive UI.
- Built unit testing protocols via Jasmine and TDD principles.
- Collaborated with DevOps for AWS EC2 deployment and Nginx tuning.

Hughes Systique, India - *Software Engineer* - June 2019 – November 2020

- Built and maintained high-traffic Angular/ReactJS apps with CI/CD integration.
- Improved cross-browser performance using Bootstrap and Angular Material.
- Developed APIs with Node.js, Loopback, and Express.
- Used MongoDB for user sessions and analytics storage.

Kellton Tech Solutions, India - *Software Engineer* - February 2017 – June 2019

- Delivered enterprise solutions in healthcare using VueJS and Angular.
- Configured AWS EC2 and Nginx for high-performance delivery.
- Collaborated in Agile processes including sprints and retrospectives.

Leadership & Methodology

- Mentored team members on architecture decisions and coding standards.
- Practiced Agile methodologies including sprints, retrospectives, and demos.
- Enhanced CI/CD processes with custom NX tooling and GitHub automation.