Yashwanth Kumar Vandanapu

FRONT-END ENGINEERING | ARCHITECTURE & TECHNICAL LEADERSHIP

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PROFILE

Senior Software Engineer with 9+ years of experience building enterprise web platforms. Leads modular React, Next.js, and TypeScript architecture, reusable components, and accessible user experiences. Combines hands-on delivery with mentoring, cross-functional collaboration, and Nx build and release automation. Brings production AI integration experience from SurveyMonkey and a broad foundation in APIs and data systems.

TECHNICAL EXPERTISE

Front-end: React, Next.js, TypeScript, JavaScript, Vue 3, Redux, Pinia, HTML, CSS, Nx, Storybook

Architecture & quality: Micro-frontends, reusable components, performance optimization, Jest, React Testing Library, Cypress, WCAG 2.2 AA, AODA, NVDA, VoiceOver

Delivery & integration: GitHub Actions, Jenkins, Node.js, REST APIs, GraphQL, PostgreSQL, MongoDB

AI integration at SurveyMonkey: OpenAI APIs, LangChain, streaming interfaces, tool calling, RAG

AI-assisted development: Claude Code, Codex, Cursor, GitHub Copilot, ChatGPT, Claude

PROFESSIONAL EXPERIENCE

SurveyMonkey | Senior Software Engineer

October 2023 - Present | Canada

- Led modular front-end architecture for enterprise SaaS applications using React, Next.js, TypeScript, and an Nx monorepo.
- Architected reusable React and Next.js components, reducing code redundancy by 30%.
- Delivered WCAG 2.2 AA-compliant interfaces with rigorous accessibility testing and front-end performance optimization.
- Designed Nx monorepo CI/CD pipelines in GitHub Actions for builds, tests, linting, and releases across web apps and npm packages.
- Mentored engineers on React architecture, Redux state management, design patterns, and AI integration.
- Integrated OpenAI APIs and LangChain into survey workflows, with streaming UI responses, tool calls, and schema-driven forms.

Canada Life Digital Hub | Application Developer

March 2023 - September 2023 | Canada | Contract

- Led RRSP and TFSA workflow migration to Vue 3 using composable APIs and Pinia.
- Established Jest/Karma testing frameworks, cutting defects by 40%.
- Developed schema-driven forms and validation for investment and retirement workflows, collaborating with cross-functional teams on product goals.
- Built Node.js APIs and REST integrations; used SQL queries and NoSQL caching to support form data and session recovery.

CITI Bank | Senior Software Engineer

August 2022 - March 2023 | Canada | Contract

- Rebuilt enterprise dashboards and multi-step approval flows in React and Redux, improving efficiency by 25%.
- Reduced bugs through structured unit and integration testing.
- Integrated backend APIs into reusable front-end components and built a PostgreSQL report caching layer.

Telus | Frontend/Full Stack Developer

May 2021 - August 2022 | Canada

- Built micro-frontend React/Next.js modules for internal provisioning workflows.
- Developed Node.js/MongoDB services for automation tooling and real-time dashboards.
- Implemented IaC using Terraform and Ansible for environment provisioning.

FactSet | Software Engineer II

November 2020 - May 2021 | India

- Modernized UI from AngularJS to Vue/Angular hybrids with improved navigation.
- Automated environment configuration with Ansible and AWS EC2 deployment pipelines.
- Improved accessibility and performance across global financial products.

Hughes Systique | Software Engineer

June 2019 - November 2020 | India

- Delivered React/Angular interfaces for workflow visualization and automation.
- Built backend APIs using Node.js and Loopback, integrating MongoDB for analytics.
- Improved cross-browser performance using Bootstrap and Angular Material.

Kellton Tech Solutions | Software Engineer

February 2017 - June 2019 | India

- Developed healthcare workflow modules using Vue/Angular with form-heavy UI flows.
- Managed AWS EC2 deployments with Nginx tuning for high-performance delivery.
- Collaborated in Agile processes including sprints and retrospectives.

TECHNICAL LEADERSHIP

Mentoring engineers on architecture and coding standards; partnering across functions on product delivery; improving developer workflows through shared components, automated testing, and CI/CD. Experience working in globally distributed Agile teams.