Yashwanth Kumar Vandanapu

FULL-STACK ENGINEERING | PLATFORM ARCHITECTURE & LEADERSHIP

Toronto, Canada | 416-820-5970 | yashwanth.vandanapu@gmail.com
yashwanth-vandanapu.dev | linkedin.com/in/Yashwanth-Vandanapu

PROFILE

Senior Software Engineer with 9+ years of experience delivering enterprise platforms across SaaS, financial services, telecom, and healthcare. Builds React and Next.js applications, Node.js and Python APIs, and SQL/NoSQL integrations. Combines modular architecture, infrastructure automation, and engineer mentoring with hands-on delivery. Recent work at SurveyMonkey includes production AI workflows and cloud deployments in partnership with platform teams.

TECHNICAL EXPERTISE

Applications & APIs: TypeScript, JavaScript, React, Next.js, Vue, Node.js, Python, Express, REST, GraphQL

Data & infrastructure: PostgreSQL, MongoDB, MySQL, AWS, Terraform, Ansible, Docker

Architecture & delivery: Nx monorepos, micro-frontends, GitHub Actions, Jenkins, Jest, Cypress, React Testing Library, WCAG 2.2 AA

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

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.
- Built Node.js and Python APIs, GraphQL queries, and PostgreSQL/MongoDB integrations; partnered with platform teams on Terraform and AWS deployments.
- Designed Nx monorepo CI/CD pipelines in GitHub Actions for builds, tests, linting, and releases across web apps and npm packages.
- Integrated OpenAI APIs and LangChain into survey workflows, with streaming UI responses, tool calls, and schema-driven forms.
- Delivered WCAG 2.2 AA-compliant interfaces with rigorous accessibility testing and front-end performance optimization.
- Mentored engineers on React architecture, Redux state management, design patterns, and AI integration.

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.