

Vikrant Sharma

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Gurgaon, Haryana, India

PROFESSIONAL SUMMARY

Lead Fullstack Engineer with 13 years building web applications across frontend and backend. At adidas, designed and built a **GraphQL BFF** using **Node.js** and **Fastify** - including schema design, resolvers, and backend service integration. Built the **React** micro-frontend that consumes it, containerized both with **Docker**, and deployed to **Kubernetes**. Led technical direction as repository code owner, doing code reviews and setting engineering standards. Reduced JavaScript/CSS output by **~50%** through **Rspack** optimization. Drove **100% team adoption** of **AI-assisted development (GitHub Copilot, SpecKit)**, cutting development effort by **~40%**. Strong track record in requirement analysis, production support, and translating architectural vision into working systems.

CORE COMPETENCIES

Fullstack Development (React + Node.js + TypeScript)

GraphQL BFF & REST API Design

Micro-frontend Architecture

Performance Optimization

Docker & Kubernetes Deployment

Team Leadership & Code Reviews

AI-Assisted Development

WORK EXPERIENCE

adidas Dec 2021 - Present

Software Engineer II (Manager Band)

- Designed and built a **GraphQL BFF (Backend for Frontend)** from scratch using **Node.js** and **Fastify**. Designed the schema and resolvers to aggregate multiple backend services into one frontend-optimized API. This simplified data fetching for the **React** frontend and decoupled it from direct backend dependencies.
- Built the **React** micro-frontend (**TypeScript**) that consumes the BFF. Delivered product features across core user journeys for an internal product management application. Implemented high-performance data grids using **AG Grid** for large tabular datasets with sorting and filtering.
- Containerized both the GraphQL BFF and the React frontend with **Docker**, then deployed them to **Kubernetes**. Set up **CI/CD pipelines** using **GitHub Actions**.
- Set up the frontend architecture using **Feature-Sliced Design (FSD v2)** and **Webpack Module Federation** for a greenfield micro-frontend. Defined project structure, engineering standards, and architectural guidelines that the team adopted.
- Reduced emitted JavaScript and CSS by **~50%**, and image assets by **90%**, through **Rspack** chunk optimization, cache groups, and dependency management. Improved cache reuse and load performance.
- Led technical direction as repository code owner. Did extensive **code reviews** (applying **OWASP Top 10** security awareness), **mentored engineers**, and set the standards the team builds against.
- Set a **95% automated test-coverage threshold** with **GitHub Actions** quality gates. Owned build health across **SonarQube** checks, linting, and coverage gates.
- Handled **production issues** and did **root-cause analyses (RCAs)** for the application.
- Drove **100% team adoption** of **AI-assisted development workflows (SpecKit and GitHub Copilot)**, delivering **~40% reduction in development effort**. Presented at internal AI Hackathon.
- Introduced modern tooling including **Rspack**, **Vitest**, **Biome**, **TanStack Router**, **TanStack Query**, **TanStack Form**, and **Zustand**. Kept the stack up to date to prevent technical debt.

UKG Jun 2019 - Nov 2021

Lead Software Engineer

- Led frontend development on UKG's **B2B SaaS** HR, Payroll, and Workforce Management platform. Built accessible, responsive **React** interfaces aligned with **WebAIM** and **WAI-ARIA** standards. Mentored backend engineers on **React** and frontend best practices.
- Was an early adopter of **SurveyJS's beta React library**. Identified bugs and compatibility issues, gave feedback directly to SurveyJS developers to improve the React implementation.
- Optimized **Webpack** configuration and applied **code-splitting** for efficient bundling. Profiled applications to identify performance bottlenecks and monitored **Web Vitals**.
- Worked with cross-functional stakeholders to design and deliver **reusable UI solutions**, keeping consistency across the application.
- Strengthened quality through peer **code reviews**, **Jenkins CI/CD** pipelines, and **SonarQube** analysis.

Technology Analyst

- Built a responsive, mobile-first e-commerce web application using **JavaScript**, **React**, **Redux**, **HTML5**, and **CSS3**. Made sure the experience was consistent across desktop and mobile.
- Integrated **Google Maps API** for location-based functionality, including an interactive mini-map.
- Built reusable frontend components and features. Used **Redux** for state management and **React Developer Tools** for performance troubleshooting.
- Worked with cross-functional teams to translate functional requirements into scalable web features.

PROJECTS

PrepForge Open Source

Building an open-source interview prep platform with progress tracking and spaced repetition. Built the backend from scratch using a layered **Controller to Service to Repository** architecture: a **Fastify REST API** and a **GraphQL API** with **DataLoader** batching, **JWT authentication**, **Zod validation**, and **PostgreSQL** via **Drizzle ORM**.

Next.js, Node.js, Fastify, REST, GraphQL, PostgreSQL, Drizzle ORM, TypeScript

git-contributor-stats npm Package

Built and published a **TypeScript-based Node.js CLI** and library for Git repository contributor and activity analytics. Includes commit statistics, change metrics, charts, reports, and multiple output formats. Architected a **modular, tree-shakeable package structure** with subpath exports. Exposed both CLI and programmatic APIs with configurable filtering, automated tests, **Changesets**, and **GitHub Actions** workflows.

TypeScript, Node.js, Vite, Vitest, Biome, GitHub Actions

EDUCATION

Bachelor of Technology | Invertis Institute

2012

India

Electronics and Communication Engineering

CERTIFICATIONS

Frontend Web Development Nanodegree

Udacity - Google Scholarship Recipient

2018

SKILLS

- Frontend:** React, TypeScript, JavaScript (ES6+), React Hooks, HTML5, CSS3, Sass, Tailwind CSS, Responsive Web Design, AG Grid
- Backend & APIs:** Node.js, Fastify, GraphQL (Schema Design, Resolvers, DataLoader), REST API Design, JWT Authentication, Zod Validation, PostgreSQL, Drizzle ORM
- Architecture:** Fullstack Architecture, Micro-frontends, Webpack Module Federation, Feature-Sliced Design (FSD v2), BFF (Backend for Frontend)
- State Management:** Redux, Redux Toolkit, Zustand, TanStack Query, TanStack Form, TanStack Router
- Performance:** Rspack, Webpack, Code Splitting, Web Vitals, Cache Optimization, Bundle Optimization
- Testing & Quality:** Vitest, Jest, React Testing Library, MSW (Mock Service Worker), SonarQube, Unit Testing, Integration Testing
- DevOps & Deployment:** Docker, Kubernetes, GitHub Actions, Jenkins, CI/CD Pipelines, Git, GitHub
- Accessibility:** WAI-ARIA, WebAIM, WCAG AA, Semantic HTML
- AI-Assisted Development:** GitHub Copilot, SpecKit, AI-Augmented Workflows
- Leadership & Collaboration:** Code Reviews, Mentoring, Technical Direction, Requirement Analysis, Production Support, Root-Cause Analysis