SPARSH JASWAL

Lead Full-Stack Engineer | React, Node.js & Azure

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PROFILE

Lead engineer with 10 years of experience building enterprise applications across React, TypeScript, Node.js, and Azure. Delivered microservices and BFF architecture, reduced Cosmos DB costs by approximately 60%, and reduced frontend bundle size by 70-80%. Combines hands-on delivery with architecture reviews and engineering mentorship.

PROFESSIONAL EXPERIENCE

Lead Experience Engineer | Publicis Sapient

Nov 2024 - Oct 2026 | Remote

- Reduced Azure Cosmos DB costs by approximately 60% by optimizing Gremlin queries and data-access patterns, improving partitioning, and introducing Redis caching.
- Architected and delivered Node.js/NestJS microservices and backend-for-frontend (BFF) layers using GraphQL, REST, and Azure for enterprise systems.
- Designed authentication and authorization across distributed services using OAuth 2.0, OIDC, JWT, and role-based access control.
- Improved API latency through workflow redesign, service-to-service communication improvements, and performance tuning.
- Established GitHub Actions CI/CD with automated tests and quality gates; implemented OpenTelemetry logs, traces, and metrics.
- Mentored 10+ engineers, led architecture reviews, and supported roadmap planning across distributed teams.

Senior Software Engineer | Husys - A People2.0 Company

Sep 2024 - Nov 2024 | Remote

- Delivered real-time product features using React Native and Node.js, with ownership across frontend and backend implementation.
- Built APIs and secure transactional workflows; improved production reliability through monitoring, error handling, and performance tuning.

Senior Software Engineer | Creospan Private Limited

Feb 2023 - Jul 2024 | Remote

- Reduced frontend bundle size by 70-80% through profiling, lazy loading, code splitting, rendering optimization, and build improvements.
- Modernized legacy applications into React micro-frontends using Module Federation, enabling independent deployments.
- Built internal productivity platforms using TypeScript and Node.js, reducing operational effort by approximately 70%.
- Developed pricing and promotions systems across frontend and backend orchestration layers; led frontend architecture decisions, code reviews, and mentorship.

Engineer III | Saviynt

Dec 2020 - Feb 2023 | Remote

- Migrated legacy frontend modules to React.js and built reusable components using atomic design principles and Storybook.
- Developed onboarding and configuration tooling to reduce manual operational effort and improve workflow efficiency.
- Standardized frontend architecture, API integration patterns, and engineering practices across distributed teams.

Engineer | Wipro

Sep 2016 - Dec 2020 | Bengaluru

- Developed enterprise applications using React.js, React Native, and Node.js through production deployment, including platforms used across approximately 2,000 locations.
- Improved transactional and e-commerce application performance through backend optimization, frontend rendering improvements, and caching; built automation and performance-testing frameworks.
- Mentored 60+ engineers through onboarding, technical guidance, architecture discussions, and engineering best practices.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python

Frontend: React, Next.js, React Native, Redux Toolkit, React Query, Module Federation, Storybook, Webpack, Vite, accessibility, frontend performance optimization

Backend: Node.js, NestJS, Express, GraphQL, REST, WebSockets, microservices, BFF architecture, OAuth 2.0, OIDC, JWT, RBAC

Data: Azure Cosmos DB (Gremlin API), Redis, PostgreSQL, MySQL, MongoDB

Cloud and delivery: Azure, AWS, Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, OpenTelemetry, Dynatrace

Testing: Jest, Cypress, Playwright, React Testing Library, WebdriverIO, SonarQube

EDUCATION

M.Tech | BITS Pilani
2017 - 2020

BCA | Guru Gobind Singh Indraprastha University
2013 - 2016