BASIT QAYOOM CHOWDHARY

Software Engineer — Frontend Platform & Architecture

Noida, India · +91 968 213 2612 · basitqayoomchowdhary@gmail.com

LinkedIn · GitHub · Portfolio · LeetCode · *Open to relocation (Europe / US / Global)*

PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience designing and shipping high-performance, scalable frontend platforms that serve over 1 million daily active users. Specialized in React.js, TypeScript, Next.js, and micro-frontend architecture (Module Federation), with a strong track record of measurable impact: 83% bundle size reduction, 67% faster page load times, and platforms generating revenue. Experienced in end-to-end product delivery — from system architecture and SDK development to design systems, performance engineering, and production monitoring. Adept at establishing engineering standards and driving developer productivity across distributed teams. Seeking a challenging senior-level engineering role at a global technology company.

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Python, Go, C, C++
Frontend	React.js, Next.js, HTML5, CSS3, Tailwind CSS, Framer Motion, Storybook, Module Federation, Micro-Frontends, StencilJS, Lit.dev
Backend / APIs	Node.js, Express.js, RESTful APIs, WebSockets, Firebase, MongoDB
Build Tools	Vite, Webpack, Rollup, ESBuild, RsBuild, CDN Optimisation, Service Workers
DevOps & Cloud	Git, GitLab CI/CD, Docker, Google Cloud Platform
Testing & Obs.	Jest, Mocha, JMeter, Postman, Sentry, Core Web Vitals, Lighthouse
Concepts	Micro-Frontend Architecture, Design Systems, SDK Design, Performance Engineering, Security Auditing, Accessibility (WCAG / a11y), OOP, Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

Software Engineer I · Physics Wallah · Noida, India *Jul 2023 – Present*

India's largest ed-tech platform, serving 20M+ learners nationwide.

- **Architected and shipped a real-time mentorship communication platform** powering the company's mentorship business line. Delivered WebSocket-based messaging, Agora SDK audio/video calling with screen sharing, voice messages, file uploads, and automated read receipts. Engineered a modular Container–Presenter UI backed by custom React hooks managing session timers, monetization workflows, and complex interaction states.
- **Drove a 10% increase in web user traffic** by leading the full migration of the LMS from a legacy iframe-based monolith to a micro-frontend architecture using Module Federation, enabling independent deployments, modular team ownership, and improved scalability. The platform now handles 1.05M daily active users (DAU) on the web.
- **Reduced frontend bundle size by 83% (12 MB to 2 MB) and cut initial page load time by 67% (15 s to under 5 s)** through Module Federation, CDN-based asset delivery, service-worker caching, code splitting, and asset-level compression.
- **Designed and delivered a company-wide Design System and UI Component Library** with multi-theme support, CSS Modules, and Storybook documentation, eliminating duplicated UI development effort across product teams.
- **Built and maintained a suite of in-house SDKs** covering authentication, API clients, feature flagging, contextual configuration, and analytics – standardising integrations across all micro-frontends, reducing integration defects, and improving system cohesion.
- Engineered a **Core Web Vitals auditing and reporting pipeline** to continuously collect and analyze performance metrics across key user flows, enabling proactive detection of regressions and data-driven benchmarking; **integrated Sentry for centralized error monitoring and tracking**, and established **frontend engineering standards** (coding conventions,

semantic versioning, code review workflows, and reusable boilerplates) across multiple repositories while conducting **performance and security audits for micro-frontend applications**, improving stability, maintainability, and overall code quality.

Project Intern · Indian Institute of Technology (IIT) Ropar · Punjab, India *Dec 2021 – Jan 2022*

- Developed a data-driven simulation model to optimise chemical process workflows, achieving a 20% improvement in process efficiency through statistical analysis and simulation techniques.
- Proposed a resource management strategy based on real-time utilisation data, with demonstrable potential to reduce operational costs and improve process sustainability.

EDUCATION

Bachelor of Technology (B.Tech), Chemical Engineering *2019 – 2023*

National Institute of Technology Srinagar (NIT Srinagar) · CGPA: 8.06 / 10

ACHIEVEMENTS & LEADERSHIP

- Awarded "Star Performer of the Month" at Physics Wallah (July 2025) for delivering high-impact, in-house engineering solutions that measurably improved platform performance and developer productivity.
- Nominated for "Champion of the Quarter" at Physics Wallah in recognition of consistently outstanding cross-functional engineering contributions.
- GATE 2025 Qualified – Data Science and Artificial Intelligence.
- Awarded Best Delegate (International Press) at Model United Nations, NIT Srinagar, recognised for research rigour, communication clarity, and professional integrity. View Certificate
- Led the Technical Club at NIT Srinagar, organising workshops, hackathons, and technical sessions for 200+ participants, driving campus-wide technology adoption and collaborative innovation.
- Presented independent research on wood-based nanotechnology membranes for micro- and ultrafiltration applications at the 2023 Nanotechnology for Better Living Conference (NIT Srinagar, SKUAST, IIT BHU). View Poster