

Shivansh Kalra

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EDUCATION

- **Shiv Nadar University** Noida, India
Bachelor of Technology in Computer Science Aug. 2023 – May 2027

TECHNICAL SKILLS

Languages: JavaScript/TypeScript (ES6+), Python, Node.js, SQL

Frameworks & Tools: React.js, Next.js, Express.js, NestJS, Redux, MongoDB, PostgreSQL, Firebase, Redis, Docker

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, CI/CD Pipelines, Microservices Architecture, RESTful APIs

Product & Analytics: User Research, A/B Testing, Product Analytics, Workflow Design, API Design, Technical Documentation

PRODUCT & TECHNICAL LEADERSHIP EXPERIENCE

- **CatalystIQ** Gurgaon, India
Founder & Product Lead Jan. 2024 – April 2024
 - Led end-to-end product development from concept to revenue generation (1 Lakh+), identifying market gaps through customer interviews with 20+ FMCG enterprises and translating needs into technical requirements.
 - Designed and shipped AI-powered recruitment platform achieving 18% conversion rate by breaking down complex hiring workflows into intuitive user flows, reducing time-to-hire by 65% through product iteration.
 - Conducted user research and usability testing with 50+ users, implementing data-driven product improvements that increased user engagement by 40% within first quarter.
 - Defined product roadmap and prioritized feature development based on customer feedback, analytics, and business impact, successfully onboarding 10+ enterprise clients.
- **Petner** Remote
Founder & Product Manager Apr. 2023 – Dec. 2023
 - Built and launched B2B SaaS platform from 0 to 1, conducting extensive user research with pet care businesses to identify pain points and design solutions that secured 25+ partnerships.
 - Transformed vague business requirements into clear product specifications and user stories, collaborating with designers and engineers to ship features that drove 100+ user signups.
 - Established product analytics framework using Firebase and custom dashboards to track key metrics (user retention, feature adoption, conversion funnel), guiding product decisions with data.
 - Iterated on product based on user feedback loops, shipping bi-weekly updates that improved user satisfaction scores by 35% over 6-month period.
- **Testline** Remote
Product Development Intern Dec. 2024 – Feb. 2025
 - Shipped 3 AI-powered features serving 3,000+ active users by translating unclear product requirements into technical specifications and working cross-functionally with design and engineering teams.
 - Improved user onboarding flow through A/B testing and user feedback analysis, reducing signup friction by 11% and increasing activation rate by 18%.
 - Analyzed product usage data to identify drop-off points and feature gaps, creating prioritized roadmap that balanced user needs with technical constraints.
 - Wrote comprehensive product documentation and user guides, bridging technical complexity with user-friendly explanations.
- **Frontrunner** Remote
Product & Engineering Intern May 2024 – Aug. 2024
 - Rapidly prototyped and launched 2 MVP applications within 8-week sprints by breaking down ambiguous product ideas into clear milestones, contributing to 40% revenue increase.
 - Collaborated with cross-functional team of 5+ engineers and designers in agile environment, facilitating daily standups, sprint planning, and retrospectives to maintain product momentum.

- Gathered user feedback through interviews and surveys, synthesizing insights into actionable product improvements that enhanced user experience and feature adoption.

- **FilFlo**

Remote

Backend Developer & Product Contributor

Sept. 2024 – Present

- Migrated 50% of monolithic architecture to microservices by identifying inefficiencies in existing workflows and proposing scalable technical solutions that reduced deployment time by 40%.
- Improved system performance by 37% through data-driven optimization decisions, using analytics to pinpoint bottlenecks and working with engineering to implement solutions.
- Built and documented RESTful APIs serving 10,000+ daily requests, creating clear API specifications and developer documentation for seamless frontend integration.

DEVELOPER TOOLS & PRODUCT PROJECTS

- **InVariant - Infrastructure & Security Analysis Tool for AI-Generated Products** | *In Development*

- Building developer tool that analyzes infrastructure and security vulnerabilities in AI-generated websites and applications, identifying gaps between AI-generated code and production-ready standards.
- Designing intuitive workflow that transforms complex security reports into actionable insights for developers, focusing on clear prioritization and remediation guidance.
- Conducting user research with developers working with AI code generation tools to understand pain points around code quality, security, and deployment confidence.

- **BuildFlow - SaaS Product Management Platform** | *React, TypeScript, REST APIs*

- Designed and shipped production-ready product management tool serving 200+ users across 500+ projects, simplifying complex project tracking workflows into clean, intuitive interface.
- Implemented user feedback system and analytics dashboard, using data to guide feature prioritization and product improvements that increased daily active users by 45%.
- Created comprehensive onboarding experience that reduced time-to-first-value from 30 minutes to under 5 minutes through user testing and iterative design.

- **SNUXplore - AI-Powered Campus Navigation Platform** | *Next.js, Azure AI, MongoDB*

- Scaled platform to 30,000+ concurrent users by identifying performance bottlenecks through analytics and working with engineering to implement caching and optimization solutions.
- Simplified complex campus navigation problem into intuitive search and query interface, conducting 15+ user testing sessions to refine UX and reduce friction points.
- Built analytics dashboard to track user queries, feature usage, and satisfaction metrics, using insights to guide product roadmap and feature development priorities.

- **CatalystIQ Hub - Technical Hiring Platform** | *React, TypeScript, Python, REST APIs*

- Transformed Figma designs and vague requirements into functional product by defining clear data models, API contracts, and user flows in collaboration with design and engineering teams.
- Shipped product aimed at improving hiring efficiency by 20% through streamlined workflows, demonstrating ability to translate business goals into measurable product outcomes.

ACHIEVEMENTS & COMMUNITY

- Led technical product development for applications serving 200+ enterprises and 30,000+ active users
- Top 3 finishes in 5+ hackathons, demonstrating rapid prototyping and problem-solving abilities
- Active in developer communities, regularly gathering feedback and insights from technical users
- Self-taught product management and technical skills through building real products used by real users