

NISHANT MUDGAL

SOFTWARE ENGINEER

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 [nishant-mudgal](#)

SUMMARY

Software Engineer (Frontend) with 3+ years of experience building scalable, performant, and accessible products using React, Next.js, TypeScript, and GraphQL. Skilled in frontend architecture, design systems, CI/CD, and performance optimization. Strong focus on clean engineering, AI assisted development, and delivering production-quality features at scale.

WORK EXPERIENCE

Software Engineer, McKinsey & Company

June 2022 - Present

Tech: React, Next.js, TypeScript, SCSS, GSAP, GraphQL, Sitecore, Docker, GitHub Actions, AI tools

- Led and delivered the complete frontend architecture for McKinsey.com's navigation redesign, improving navigation performance by ~32% and accessibility compliance to WCAG AA levels.
- Built and maintained a global-scale JAMstack platform powering high-traffic pages visited by 5M+ monthly users, improving page load time by ~28% through optimized bundling and caching strategies.
- Engineered advanced UI animations using GSAP + SCSS, increasing user engagement and scroll interactions by 18% based on analytics.
- Developed reusable, scalable design system components adopted across multiple squads, reducing new UI development time by 40%.
- Built dynamic, CMS-driven modules using Sitecore + GraphQL, enabling faster content delivery time and reducing backend–frontend sync issues by ~50%.
- Implemented a strict Content Security Policy (CSP) for Next.js, eliminating inline script vulnerabilities and reducing XSS exposure by >90%.
- Used GitHub Copilot, Cursor, and prompt engineering to accelerate development and increase unit test coverage by 30%, while reducing PR review time.
- Collaborated with cross-functional teams (design, platform, QA, accessibility) to deliver high-quality, production-grade features on time.

Software Engineer, IDEMIA

June 2018 - Sept 2019

Tech: C++, Linux, JavaScript, HTML, Embedded Systems

- Developed production firmware for biometric access control terminals, optimizing hardware-software integration.
- Built secure web interfaces using JavaScript and HTML for enterprise access-control systems
- Collaborated within Agile Scrum teams to ship stable firmware releases across multiple devices.

Associate Software Engineer (Intern), IDEMIA

Jan 2018 - June 2018

Tech: C++, Linux, JavaScript, HTML, Embedded Systems

- Contributed to firmware modules for Access Control Systems.
- Built an internal Android application to automate employee data management, reducing manual processing by 70%.

TECHNICAL SKILLS

Frontend Development

- React, Next.js, TypeScript, JavaScript (ES6+), SCSS, GSAP, JAMstack, HTML5, CSS3

Architecture & Performance

- Frontend Architecture, Performance Optimization, Code Splitting, Caching Strategies, Accessibility (WCAG), Responsive UI, Design Systems, State Management (Redux)

Backend & APIs

- GraphQL, REST APIs, Sitecore CMS, Node.js (basic), Microservices (conceptual)

Testing & Quality

- Jest, React Testing Library, Unit Testing

DevOps & Tooling

- Docker, GitHub Actions (CI/CD), Git, Linux

AI & Developer Productivity

- GitHub Copilot, Cursor, Agentic AI, Prompt Engineering

Other

- Python, Data Structures & Algorithms, Agile/Scrum
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EDUCATION

Masters of Technology - Information Technology

Netaji Subhas University of Technology, Delhi

2020 - 2022

- **Specialization:** Machine Intelligence & Data Analytics

- **CGPA:** 7.2

Bachelor of Technology - Computer Science

Chitkara University, Punjab

2014 - 2018

- **CGPA:** 7.8
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ADDITIONAL INFORMATION

- **Languages:** English, Hindi
 - **Certifications:** AZ-900
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