

ADARSH TIWARI

Software Development Engineer I (SDE 1)

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Professional Summary

Impact-driven **Software Development Engineer I (SDE 1)** and **Full Stack Developer** with strong expertise in the **Software Development Life Cycle (SDLC)**, **software design**, **scalable systems**, and **system reliability**. Experienced in building secure, production-grade web applications using the **MERN Stack** and **Next.js**. Proven ability to design and implement **RESTful APIs**, apply **authentication and authorization** mechanisms (JWT, RBAC), and collaborate in **Agile cross-functional teams**. Highly motivated engineer with strong **problem-solving** skills, a responsive mindset, and a focus on performance optimization, **Search Engine Optimization (SEO)**, and maintainable architecture.

Technical Tech Stack

Languages/Scripts: JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3, Markdown
Frontend Frameworks: React.js, Next.js (SSR/ISR), Tailwind CSS, Redux Toolkit, Framer Motion
Backend & Security: Node.js, Express.js, **JWT Authentication & Authorization**, **RBAC**, OAuth 2.0, **RESTful API Design**
Database & Reliability: MongoDB, PostgreSQL (**Relational Database Design**), Redis, **Error Monitoring**, Unit Testing (Vitest/Jest)
DevOps & Version Control: Git, **GitHub Actions (CI/CD)**, Docker, Vercel, AWS S3, Cloudinary
Collaboration: Agile (Scrum), Jira, Slack, **Code Reviews (PR Workflow)**, Technical Documentation

Professional Experience

Full Stack Developer Intern <i>GNB EV Service Center (Remote)</i>	Aug 2025 – Nov 2025 <i>Project Leadership</i>
<ul style="list-style-type: none">Designed and implemented scalable system components using Next.js, handling 500+ concurrent user requests per day with high reliability.Engineered secure authentication and authorization flows using JWT, HTTP-only cookies, and role-based access control.Improved Search Engine Optimization (SEO) through structured data and server-side rendering, increasing organic leads by approximately 45%.Applied strong problem-solving skills to debug production issues and deliver stable software solutions.	
Frontend Freelance Developer Intern <i>EmbProto Web App (Remote)</i>	Feb 2025 – May 2025 <i>Cross-functional Collaboration</i>
<ul style="list-style-type: none">Applied responsive design principles to ensure cross-device compatibility and accessibility.Improved application efficiency and reliability by resolving 30+ UI issues, reducing post-deployment hotfixes by nearly 20%.Strengthened cross-functional collaboration through weekly code reviews and shared ownership.	
Software Engineer Intern <i>IBM SkillsBuild (Remote)</i>	Jun 2024 – Aug 2024 <i>Software Development</i>
<ul style="list-style-type: none">Contributed to enterprise software development by migrating legacy modules to modern React.js, improving performance by approximately 30%.Followed enterprise Git/GitHub workflows, participating in 20+ peer code reviews.	

Key Development Projects

GNB EV Fleet Platform <i>Next.js, MongoDB, Razorpay, Tailwind CSS</i>	Live
<ul style="list-style-type: none">Designed scalable RESTful APIs using Node.js and MongoDB with a focus on performance and maintainable system design.Developed secure admin features using Role-Based Access Control (RBAC).	
Lumina: Scalable EdTech Platform <i>MERN Stack, JWT Auth, Cloudinary, Redux</i>	Portfolio
<ul style="list-style-type: none">Resolved authentication and authorization challenges using refresh token rotation and secure session handling.Improved system reliability and user experience through optimized media delivery.	

Education

Maharshi Dayanand University <i>Bachelor of Technology in Computer Science (CGPA: 7.86 / 10)</i>	Rohtak, India Aug 2023 – May 2027
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Technical Achievements

- API Optimization:** Reduced API latency by **25%** using indexing and caching strategies.
- Team Leadership:** Mentored peers on Git workflows and debugging practices.
- Certifications:** IBM Frontend Specialist (2024), Postman API Fundamentals, freeCodeCamp Responsive Web Design.