

Nitin Kumar

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 Gurugram, Haryana

Technical Proficiency

Programming Languages: JavaScript, TypeScript, Java, C++, Python

Backend Frameworks: Express.js, Spring Security, **Spring Boot**, Node.js, Django, FastAPI, **Hibernate**

Frontend Technologies: Next.js, **React.js**, Redux, Zustand, HTML5, CSS3, Tailwind CSS, RESTful APIs

Databases: MongoDB, **MySQL**, PostgreSQL, Microsoft SQL Server

Cloud & DevOps: Google Cloud, **AWS (EC2, S3)**, **Firebase**, Docker, Jenkins, GitHub Actions, CI/CD Pipelines, Render, Vercel, Nginx

Software Engineering Practices: **SDLC**, **Agile**, Scrum, **System Design**, **Microservices**, OOP, API Design, Design Patterns, Version Control (Git), Code Optimization, Scalability

Testing & Security: Postman, **JUnit**, Integration Testing, **JWT Authentication**, Data Validation, Role-Based Access Control, Input Sanitization

Professional Experience

Software Engineer Intern — Bambhari

Sep 2025 – Dec 2025

(Bangalore - Remote)

- Worked in an **Agile/Scrum environment** to design, build, and deploy production-grade applications, improving delivery speed by **30%**.
- Developed a scalable **Hackathon Platform** using **Spring Boot**, **React.js**, **MySQL**, and **JWT**, supporting **1K+** users for event hosting, registration, and team collaboration.
- Customized the open-source **iDURAR ERP/CRM (MERN Stack)** for client use by adding **validations, image uploads, and UI enhancements**, improving performance and user experience by **25%**.
- **Tech Stack:** Java, Spring Boot, React.js, MySQL, MongoDB, Node.js, Express.js, JWT, Docker, AWS

Projects

1. ConnectSphere – Social Media Platform

[Source Code](#) 

- Developed a full-fledged **social networking platform** using **React.js**, **Spring Boot**, and **MongoDB**, allowing users to share posts, images, and videos with a personalized feed and profile-specific post view.
- Implemented advanced features like **multi-image uploads** (limit: 100MB), **hashtags**, user tagging, geolocation, **reactions**, nested comments, and soft deletes for a real-world experience.
- Designed a scalable backend capable of handling **100K active users** and **1M+ potential users**, optimizing **RESTful API endpoints** with **manual DTOs**, **pagination**, and **in-memory data structures**, achieving average API response times under **100ms**.
- Ensured robust security using **JWT authentication** and validation middleware; integrated **Firebase (Google Cloud)** and **AWS S3** for secure and efficient media storage.

2. Entrify – Event Ticket Booking Platform

[Live Demo](#) 

- Developed a production-grade **event booking app** using **React.js (Ant Design)**, **Node.js**, **Express.js**, and **MongoDB** with secure **JWT authentication**, **Stripe payments** (webhook verification), and **role-based dashboards** for users, owners, and admins.
- Deployed on **Render** (frontend served via backend), featuring **rate limiting (40 reqs / 2 min/IP)**, sanitization, and validation middleware; handles **2K+ concurrent requests** with sub-**150ms latency** (cold start 2–5 mins), and optimized UX using **Ant Design** with contextual UI feedback.

Education

Scaler Academy

Sept 2024 - October 2025

Software Development

- **Coursework:** Computer Architecture, Data Structures and Algorithms, Full Stack Development, RDBMS, Java, Projects, Low Level Design, High Level Design, System Design, MySQL, No-SQL

Maharshi Dayanand University

Sept 2019 – May 2023

B.Tech. in Mechanical Engineering