# Shubham Sarkar

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## Summary

MERN Fullstack Developer with 4 years of experience designing, developing, and deploying scalable web applications. Proven ability to build e-commerce platforms, management systems, and integrate third-party services using React, Node.js, Express, MongoDB, and AWS. Seeking to leverage expertise in full-stack development to contribute to innovative projects.

## Experience

### Aspire Technosys | Jaipur Software
Software Engineer | 02/2024 - Present

- Developed and maintained a full-stack e-commerce platform utilizing React.js for the front-end and Node.js/Express.js for the back-end.
- Deployed the application on AWS, subsequently configuring a Linux server environment for enhanced scalability and performance optimization.
- Collaborated with cross-functional teams (Design, Product) to architect and implement new features, resulting in a 40% increase in customer satisfaction metrics.

### Shish Industries | Surat Software
Software Engineer | 06/2023 - 01/2024

- Partnered closely with QA teams to implement rigorous testing protocols, achieving a 25% reduction in production defects.
- Led the migration of client websites from WordPress to React, significantly improving performance, optimizing SEO for increased traffic, and enhancing application security.

### Appscrip | Bengaluru Karnataka
Software Engineer | 01/2021 - 01/2023

- Successfully delivered a full-cycle project for Byju's (outsourced engagement), taking ownership from initial concept through development and deployment.
- Engineered and implemented application features using Next.js, React.js, Node.js, AWS, and Git.
- Contributed to team efforts, gaining practical experience in project management and collaborative development workflows.

## Personal Projects

E-commerce Platform Development

- Engineered a full-stack e-commerce solution using React.js and Node.js, featuring product catalogs, user accounts, and order processing.
- Integrated Stripe/PayPal API for secure payment gateway functionality and implemented robust user authentication using JWT.
- Deployed and managed the platform on AWS (EC2, S3), ensuring high availability, scalability, and fault tolerance.

Web-Based Management System

- Developed a comprehensive management system for a mid-sized company using React and Node.js to streamline internal operations.
- Implemented Role-Based Access Control (RBAC) and integrated real-time data updates using WebSockets.
- Optimized MongoDB database queries, leading to a measurable reduction in page load times (e.g., ~15% improvement) and enhanced user experience.

## Skills

ReactJS, Nextjs, AWS, Node.js, Express.js, MongoDB, RESTful APIs

# Education

**Ignou | Delhi**

B.Sc | 06/2021

**Navgurukul | Software Engineering Course**
Intensive, project-based training in full-stack web development (MERN Stack).