

Devesh Sangwan

Gurugram, India

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PROFESSIONAL SUMMARY

Award-winning Software Engineer with 3+ years of experience specializing in high-performance backend systems. Drove a **75% reduction in core processing latency** at Paisabazaar by re-architecting critical workflows. Proven expert in **Node.js, distributed systems, and scalable backend architecture**.

EXPERIENCE

Paisabazaar (PB Fintech)

Software Engineer

Gurugram, India

Jan 2022 - Present

- Optimized the core loan processing workflow by re-engineering the Business Rule Engine (BRE) using the **Factory pattern**, slashing processing time by **75%** (from 8s to 2s).
- Architected a unified digital lending platform for **10+ partners** by leveraging the **Strategy and Builder patterns** to handle diverse workflows, boosting cross-selling by **35%**.
- Led zero-downtime migration of 4 critical microservices to **Node.js v18**, boosting runtime efficiency by **20%** while mentoring 3 junior engineers on modern development practices.
- Championed Test-Driven Development (TDD) adoption, raising team code coverage from 0% to over **80%** and conducting training sessions for junior developers.
- Implemented a **Redis caching** strategy for application data and token management, reducing SQL database load by **45%** and cutting overall API response times by **30%**.
- Developed a resilient CRON job system for automated loan disbursements, achieving **100% same-day processing** by gracefully handling third-party API failures.

PROJECTS

CricScore: Full-Stack Live Score Platform 🔗

Next.js, Node.js, TypeScript, Docker

- Architected and deployed a full-stack web application from scratch, featuring a responsive **Next.js 15** frontend and a robust **Node.js** backend to provide real-time cricket scores and statistics.
- Engineered the backend API with Express.js to scrape live match data using **Cheerio**, manage data in **MongoDB** via the **Prisma** ORM, and secure endpoints with **Clerk** authentication.
- Authored a comprehensive test suite for the backend using **Mocha & Chai**, achieving over **95% code coverage** and ensuring high reliability for the API service.
- Established a complete **CI/CD pipeline** using **GitHub Actions** for automated testing and builds, deploying the frontend to **Vercel** and the **Docker**-containerized backend to **Render**.

TECHNICAL SKILLS

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

Frameworks & Libraries: Node.js, Express.js, React.js, Next.js, Prisma, Cheerio, Tailwind CSS

Databases & Caching: MySQL, Cassandra, Redis, MongoDB

DevOps & Testing: Docker, GitHub Actions, Vercel, Mocha, Jest, Chai

Architectures & Methodologies: Microservices, REST APIs, Agile, Test-Driven Development (TDD), Design Patterns

ACHIEVEMENTS

Paisabazaar Stellar Award - Supernova Category

2025

- Awarded for exceptional engineering performance, leadership, and high-impact contributions to the core lending platform.

Smart India Hackathon 2020 Winner

2020

- Won national hackathon by developing ML-based IoT system for building energy optimization, achieving 15% reduction in energy consumption.

EDUCATION

Netaji Subhas University of Technology

Bachelor of Engineering - Computer Engineering; CGPA: 8.5/10

New Delhi, India

2018 - 2022