Harshdeep Saiyam

Software Engineer

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Technical Skills

Languages: JavaScript, TypeScript, HTML5, CSS3, SQL

Frameworks/Libraries: React.js, Next.js, Redux, Nest.js, Express.js, Node.js,

ReactNative, Angular, Java Spring Boot

Cloud Tools: AWS (EC2, Lambda, S3), Stripe, Microservices

Build & Version Control: Webpack, Vite, Git, GitHub

Testing: Jest, Vitest

Design Tools: Figma, LucidChart, Excalidraw

Other: REST APIs, Responsive Design, SEO, Problem Solving

Professional Experience

Database: Postgresql, Microsoft SQL Server

Jellyfish Technologies | Software Development Engineer

Noida, India | Jan 2020 – Present

Developed responsive web and mobile applications using React.js and ReactNative.

Improved scalability and performance in React.js applications with reusable components and testing using Jest/Vitest.

Migrated a manual payment system to Stripe for a Canadian E-commerce app, optimizing payment processes.

Created a custom Android app for a POS terminal in New Zealand, using ReactNative.

Led integrations for cloud-based locking systems and real-time monitoring dashboards.

Streamlined system performance by migrating data from SQL to PostgreSQL and adopting microservice architecture.

Built APIs and microservices in NestJS and Express.js, optimizing backend services for enhanced efficiency.

Deployed reusable UI components via AWS CodeArtifact to improve team collaboration.

Key Projects

REALWAVE - USA: Enhanced UI with reusable React components and integrated cloud-based locking systems for keyless remote door control.

TRUGGIT - New Zealand: Developed a cross-platform marketplace using ReactNative with real-time job listings and Google Maps integration.

Patra - USA: Developed microservices and event-driven architecture using AWS EventBridge, improving system scalability.

Education

Bachelor of Engineering | Oriental Institute of Science & Technology | 2020

Personal Projects

Vyapik (Under Development): Developing a customizable business application targeting Indian markets using Next.js and Django REST Framework (DRF), with a scalable backend on AWS EC2.

Frontend Boilerplate: A Next.js starter kit with Tailwind CSS, TypeScript, and DrizzleORM, Passwordless.