

Sudhanshu Choudhary

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EXPERIENCE

Software Engineer

- ZantOctober 2024 - Present, Hoboken, NJ, USA
- Transformed the Mental Health Care Support System's architecture with React, TypeScript, Next.js, and Vercel, slashing page load times by 35% and ensuring seamless access across diverse devices.
 - Configured an auto-logout system with React, boosting security by 40% using JWT token expiration and inactivity tracking.
 - Composed a Substack content pipeline utilizing React and TypeScript, enabling storage and real-time updates in Xano, streamlining content delivery and reducing average render time by 1.2 seconds.
 - Optimized retrieval of client-side rendering 500+ articles via Xano's GET API, boosting accessibility and user engagement.
 - Executed 50+ Git commits and deployed via GitHub-Vercel integration, ensuring 100% uptime and reliability.
 - Engineered fully responsive user interfaces for 20+ screens using Tailwind CSS, ensuring seamless usability across mobile, tablet, and desktop devices.
 - Pitched the application to venture capitalists, articulating the technology roadmap and market opportunity, securing \$80,000 in seed funding.
 - Enhanced platform scalability over a six-month period by restructuring React and Next.js components, supporting a 3x increase in monthly active users while maintaining sub-1.5s response times via optimized Vercel deployments.

Software Engineer

- Nitido IT SolutionsMay 2020 - July 2022, India
- Launched an Employee Tracking System used by 200+ employees, featuring clock-in/out tracking, payroll management, and CRUD APIs that reduced manual HR tasks by 40%.
 - Crafted a responsive UI with React and JavaScript, enabling real-time tracking for 200+ employees and cutting payroll processing time by 30%.
 - Built RESTful APIs with CRUD operations using Node.js and Express.js for managing 200+ employee data and payroll.
 - Evaluated and migrated 500K+ employee records from Oracle to AWS RDS (MySQL), improving data retrieval speeds by 45% and ensuring 99.9% uptime.
 - Integrated AWS S3 for secure storage of employee documents like pay slips and ID proofs, ensuring 99.9% data durability.
 - Migrated to Dockerized apps on AWS EC2, boosting resource utilization by 35%.
 - Developed Postman API test suites running 500+ tests weekly, ensuring data integrity and improving response times 15%.
 - Implemented AWS CloudWatch alerts, resolved 95% of performance issues within 10 minutes, reducing downtime by 25%.
 - Engineered core backend modules leveraging advanced data structures in Node.js and AWS to process, store, and retrieve over 200 employee records per minute for a system active 24/7, reducing database query latency by 40% over 12 months.
 - Performed data analysis on 12 months of system logs using SQL and Python Pandas, uncovering usage patterns that guided feature enhancements and increased platform adoption by 25% among 200+ employees.

PROJECT

E-Campus Talent Finder- (Tech Stack: React.js, Node.js, Express.js, MongoDB)

- Built a responsive talent-matching platform using React.js, achieving a 90% satisfaction score from students and recruiters based on feedback surveys. Engineered secure, scalable backend services with Node.js, Express.js, MongoDB, and Cloudinary, handling job postings, resume uploads, and user registration for 1,000+ users.

EDUCATION

Master of Science in Computer Science

Monroe University • New York, NY • September 2022 - August 2024

Bachelor of Technology in Information Technology

Rajiv Gandhi Prodyogiki Vishwavidyalaya • Bhopal, India • July 2017 - August 2021

CERTIFICATIONS

AWS Certified Developer – Associate (In Progress)

Core Java Training – Universal Informatics

Java Programming – Chameli Devi Group & Microsoft Ed-Vantage

C & C++ Programming – Quality Computer Institute

SKILLS

Programming Languages: JavaScript, Java, C, C++, TypeScript, HTML, CSS

Framework & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS

Tools & Utilities: Git, GitHub, Docker, Linux, Postman, Apache HTTP Server

Databases: MySQL, MongoDB, Oracle Database, AWS RDS, Xano, Cloudinary

Cloud Platforms: AWS (EC2, RDS, S3, CloudWatch), Vercel

Authentication & Testing: JWT (JSON Web Tokens), Bcrypt, Jest, Supertest