

Sharad Kumar Singh

Full Stack Developer at knowdis.ai

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SUMMARY

Full Stack Developer with 3 years of experience in scalable web apps, backend optimization, cloud integration, microservices, and performance tuning. Skilled in React.js, Node.js, FastAPI, AWS, Docker, and CI/CD.

TECHNICAL SKILLS

- **Programming Languages:** C++, Core Java, Python.
- **Web Technologies:** HTML, CSS, JavaScript, Typescript, Bootstrap, Node.js, React.js, AJAX, JWT, FastAPI.
- **Databases:** MySQL, MongoDB, MariaDB, Firebase DB.
- **DevOps:** Git, Nginx, Linux, AWS, Docker. Message Queues (Redis, Kafka)

EXPERIENCE

KNOWDIS.AI | Full Stack Developer | January 2024 - Present

- Optimized workflows, reducing processing time by 25% and navigation time by 20% by designing a scalable user access management system and enhancing high-computation job modules with targeted UI improvements.
- Implemented robust authentication and authorization using JWT and Firebase, ensuring compliance with security standards. Enforced strict frontend security protocols and leveraged OOP principles for maintainability.
- Integrated Razorpay subscription model to automate payments and reduce manual effort, while developing reusable components to enhance system scalability and performance.

LARSEN AND TOUBRO LIMITED (DATA CENTER BUSINESS) | Senior Engineer | July 2022 - December -2023

- Part of a Product Development Team (Software as a Services).
- Developed SaaS-based cloud solutions using AWS, Node.js, and MongoDB and implemented Cloud Technologies.
- Enhanced financial Web **app fixfd.com** by developing APIs, resulting in a 25% faster data retrieval, and by optimizing sorting logic, achieving a 30% reduction in response time.

ONE24 | Software Development Engineer Intern | June 2021 – October 2021

- Developed full-stack payment processing using Razorpay API, reducing transaction failures by 10% also added cart products section, OTP authentication, searching in the component. Improved the efficiency of the various sections by more than 70 %. Used React.js, RESTful APIs to build and end-to-end solution for multiple users.
- Optimized frontend layouts with React and EJS, designed and integrated backend RESTful APIs, ensuring seamless frontend-backend collaboration.

EDUCATION

Bundelkhand Institute of Engineering and Technology Jhansi | B.Tech in Information Technology

- **Graduate:** July 2022 | CGPA: 8.4

B.S INTER COLLEGE Noida | Science (PCM)

- **Graduate:** July 2018 | Per: 87.6 %

PROJECTS

MoleculeGen | January 2024 – Present | New Delhi, India

- Developed a comprehensive authorization system using Firebase and JWT, ensuring 0 security breaches.
- Implemented user access APIs and admin panel, achieving 8x faster access management and role-based permissions by using FastAPI(Python) , React.js and Firebase.
- Improved activity monitoring by 40 items/min with real-time job tables. Improved navigation between different modules based on their similarities by using redux toolkit.

BharatiyaDocs | April 2024 – July 2024 | Noida, India

- Created Bharatiya Docs, an Indian alternative to Google Docs, real-time collaborative editing with WebSockets.
- Developed a comprehensive rich text editor with advanced formatting options, image insertion and alignment feature.
- Implemented robust secure authentication and role-based authorization for enhanced user data protection.

FIXFD | September 2022 – August 2023 | Mumbai, India

- Led development of a comprehensive financial web app offering real-time updates and advanced Fixed Deposit comparisons for 130+ SCB Banks, enhancing user engagement and satisfaction.
- Efficiently implemented full-stack features, forging APIs to front-end, and deployed on Aruba Cloud Linux Server, saving 20 % project time. Used Nodejs, Express.JS, EJS, jQuery, Ajax, MySQL, Nginx etc.