

SURAJ TRIPATHI

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Skilled and motivated **Backend Developer** with a strong foundation in building robust, scalable server-side applications using **NestJS, Node.js, Express, and MySQL**. Experienced in designing efficient APIs, implementing secure authentication systems (JWT with access and refresh tokens), and working within **monorepo environments**. Passionate about writing clean, maintainable code and optimizing backend performance to support seamless frontend integration. Currently contributing to backend systems and internal admin tools at **Amala**, where I focus on delivering reliable and efficient backend solutions that support critical business operations.

EXPERIENCE

Amala Earth

Jan, 2024 – Present

Backend developer

- Designed and optimized high-performance **RESTful APIs** using **Node.js** and **PHP**, ensuring reliable performance under high-traffic conditions in a live e-commerce environment.
- Maintained and enhanced backend modules for **product management, order tracking, and real-time inventory synchronization**, improving operational efficiency.
- Collaborated closely with **frontend** and **product teams** to deliver new features, fix bugs, and deploy updates with **minimal downtime**, ensuring smooth user experiences.
- Integrated key third-party services including **Unicommerce, ShipRocket, and Razorpay** to streamline **order fulfillment, shipping logistics, and payment processing**.
- Leveraged **Elasticsearch** to enhance search capabilities, significantly improving **speed, accuracy, and overall user experience** in product discovery.
- Implemented a robust **authentication flow** using a **caching mechanism**, and applied **access/refresh token logic** for secure and scalable session management.
- Led the integration of **Unicommerce** for **marketplace automation**, enabling seamless management of multichannel orders and inventory.

PROJECTS

Blog Website Application

MERN Stack Website Development

- Developed a MERN stack Blog website which has functions like login and sign up.
- Frontend Is created using React.js Which is user Friendly After Creating this Project I get a good knowledge about various React.js Features Like Custom Hooks and Several Packages like Axios and Firebase.
- Backend Of this Website is created using Node and Express. The Functionality of Login is created Using Firebase.

Weather Forecasting Application

REACT Website Development

- Developed a Weather Forecasting Website using react.
- This Website Shows the Weather of a cities you searched for and will also show the weather of whole week.
- The Data presented By the Website is fetched from an Online API and parsed into the Project.

EDUCATION

Guru Govind Singh Indraprastha University Bachelor of Technology in Computer Science and Engineering ,9.16 CGPA	2020-2024
Govt. Boys Senior Secondary School Roop Nagar No. 2 12 th – Science Stream , CBSE , 82%	2020
Manava Bhawana Public School 10 th – CBSE , 80%	2018

SKILLS

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|-----------------|-------------|-----------------|
| • Node | • Nest.js | • NPM |
| • SQL | • Type ORM | • REST API |
| • Javascript | • MongoDB | • React |
| • Git | • Express | • jQuery |
| • Elasticsearch | • RabbbitMQ | • Microservices |

CERTIFICATIONS

- Become a Full Stack Web Developer – by LinkedIn Learning
- Become a Javascript Developer – by LinkedIn learning