

Vishwajeet Rai

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About — Full-stack developer with 4+ years of experience building scalable web applications using React, TypeScript, JavaScript, and Node.js. Improved platform performance by 400%, integrated AI and LLM for automation, and led cross-functional projects. Experienced in micro-frontend architecture and multi-tenant systems.

Skills

- **Frontend:** ReactJS, NextJS, Redux, HTML
- **Backend:** Node.js, Express, REST APIs, GraphQL
- **Languages:** TypeScript, JavaScript
- **Styling:** Tailwind CSS, Chakra UI, Sass, Material UI
- **Database:** MongoDB, PostgreSQL
- **DevOps & Cloud:** Docker, AWS (EC2, S3), Jenkins, Kubernetes
- **Tools:** Sentry, Webpack, Babel, Git, CI/CD, Google Analytics

Experience

Leap Scholar

Dec 2021 – Present

SDE-2

- Developed a comprehensive multi-tenant mock test platform supporting multiple test formats (IELTS, SAT, GRE), increasing test delivery efficiency by 40% and onboarding 1,000+ students within the first quarter of launch.
- Integrated **LLM and AI technologies** to automate writing and speaking test evaluations, reducing teacher involvement by 80% and improving evaluation accuracy.
- Achieved a **400% increase in landing page speed** through techniques such as **Islands Architecture**, code splitting, and tree shaking.
- Designed and implemented a secure multi-tenant authentication system with bearer tokens, enabling seamless onboarding for 10+ applications and reducing authentication errors by 30%, improving user experience and security.
- Spearheaded the **UI Design System** initiative, ensuring consistency across projects and reducing development time by 30%.
- Implemented error monitoring using Sentry, improving system stability and reducing production issues by 25%, leading to faster issue resolution and a 15% decrease in user-reported bugs.
- Awarded the **Phenomenal Execution Award** for integrating AI in writing and speaking tests, automating 80% of the evaluation process, reducing teacher dependency by 50%, and improving test grading efficiency by 30%.
- Received the **Spot Award** for delivering the SAT platform 2 weeks ahead of schedule, resulting in a 15% increase in early enrollments and improving overall project delivery timelines by 20%.

MountBlue Technologies

Aug 2020 – Nov 2021

Software Engineer

- Enhanced the student onboarding experience by designing intuitive workflows and user-friendly interfaces using React and ExpressJS, reducing onboarding time by 32% and increasing user retention by 24%.
- Developed a Task Manager to automate student progress tracking, improving tracking efficiency by 40% and enabling teachers to monitor performance in real-time, reducing manual oversight by 50%.
- Designed a scalable Homework infrastructure that assigns tasks based on student progress and mentor feedback, resulting in a 35% increase in task completion rates and improving alignment of assignments with student needs by 25%.
- Integrated marketing tools such as **Google Tag Manager**, **Segment**, and **WebEngage**, improving user engagement metrics by 15%.

Education

ABESIT

2015 – 2019

B.Tech in Information Technology

Aggregate Percentage: 70%

Certifications

- JavaScript Algorithms and Data Structures (FreeCodeCamp)
- Python with Machine Learning
- Cyber Security (Kritikal Solutions)
- AWS Certified Developer - Associate (in progress)
- Docker & Kubernetes for DevOps (Udemy)