

VIKASH KUMAR KHARWAR

Noida, India

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Education

National Institute of Technology Mizoram

Bachelor of Technology, Computer Science and Engineering (CGPA: 7.11)

June 2022 – June 2026

Mizoram, India

Experience

Vibesync

September 2024 – October 2024

Software Development Engineer Intern

Remote

- Collaborated with a 4+ member team, including UI/UX and .NET developers, on a production-level platform.
- Built and optimized 10+ responsive ReactJS interfaces, reducing UI re-renders by 20%.
- Improved CI/CD pipelines and deployment efficiency by 30% across dev and prod environments.
- Participated in 15+ code reviews and daily Agile standups, enhancing team velocity and code quality.
- Developed 5+ reusable components and resolved 10+ UI bugs early, cutting QA time significantly.

Software Giant

December 2024 – January 2025

Backend Development Intern

Noida, India

- Collaborated with an Agile team (5+ members) to develop a high-performance backend system using Node.js.
- Integrated **Redis** caching, reducing average API latency by 40% and improving data retrieval speed.
- Built event-driven microservices using **Kafka**, enhancing system scalability and fault tolerance.
- Contributed to deployment pipelines and monitoring tools, improving system uptime and recovery.
- Participated in 10+ code reviews and debugging sessions, gaining hands-on experience in distributed backend design.

Projects

Zentrox – Autonomous Workflow Tool | *Next.js 14, PostgreSQL, Clerk, Webhooks* | [Link](#)

- Created a node-based UI builder for workflow automation across 4+ platforms (Google Drive, Slack, Discord, Notion).
- Enabled real-time event handling via webhooks, with Google Drive changes detected within 3 seconds.
- Integrated Clerk for authentication, managing 100+ users, and used PostgreSQL to store 1000+ workflows.
- Implemented real-time notifications for Google Drive changes, pushing updates to Slack and Discord.

AirTicket – Airline Booking Backend (Microservices) | *Node.js, Express, MySQL, Sequelize ORM, AWS, RabbitMQ, Cron Jobs* | [Link](#)

- Developed a scalable airline booking backend using microservices architecture, including Booking, Flight, Search, Auth, and Reminder services, enabling modular and maintainable code.
- Designed and implemented a custom API Gateway for intelligent request routing, message validation, response transformation, and rate limiting, ensuring secure and efficient traffic handling.
- Built modular Node.js services with Sequelize ORM for MySQL, incorporating role-based authorization, flight and booking management, and search capabilities.
- Deployed on AWS EC2 with Auto Scaling Groups and Load Balancers, achieving high availability and resilience during traffic spikes.
- Implemented a Reminder Service using RabbitMQ and cron jobs for asynchronous email notifications and dynamic booking confirmation workflows, improving user engagement.

Profile Links

[Leetcode](#) [Code360](#)

Technical Skills

- **Languages:** C++, Golang, JavaScript, TypeScript, SQL, HTML5/CSS3
- **Frameworks & Libraries:** React.js, Next.js, Redux, Node.js, Express.js
- **Backend & APIs:** Designed and integrated RESTful APIs, JWT Auth, Messaging Queue, Webhooks
- **Databases:** PostgreSQL, MongoDB, MySQL
- **Tools & DevOps:** Git, GitHub, Docker, Linux, AWS, CI/CD (Jenkins), Postman, Cloudinary
- **Other Skills:** Responsive Design, Agile Development, CS Fundamentals (DSA, OOP, OS, DBMS)