Ritik Kumar

Backend Developer — DevOps Engineer

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Education

Chandigarh University	2021 – 2025
B.E. Computer Science Engineering	*Mohali, Punjab*

Technical Skills

Languages:	**C++, HTML5, CSS3, Java, Python, , JavaScript, , Solidity, SQL**
Frameworks/Technologies:	**Node.js, Express.js, Microservices, , System Design**
Cloud:	**Google Cloud, AWS**
Database:	**MongoDB, MySQL,**
DevOps and Infra Tools:	**GitHub, Docker, Postman, , Nginx, Jenkins, Kubernetes, CI/CD**
Coursework:	**Data Structures and Algorithms, Operating Systems, Object-Oriented Programming (OOPs), Software Development Lifecycle (SDLC), Agile Methodologies, Software Testing Basics**

Experience

Digitner Pvt. Ltd.
Backend Engineer

. Developed secure backend APIs using **Node.js**, **Express**, **MongoDB**, **PostgreSQL**, and **Redis** for scalable applications.

. Implemented authentication, **JWT**, and **Role-Based Access Control (RBAC)** to ensure data security and user access management.

. Built **CRM** modules including lead management, **CRUD** operations, filtering, and pagination for efficient data handling.

. Improved database performance by 35% through indexing and optimized queries, enhancing system efficiency.

. Created **CI/CD** pipelines using **GitHub Actions** for automated deployments, reducing manual errors and deployment time.

Projects

- **Flight Booking System (Scalable Backend)**   **Node.js, Express, MySQL, Redis, Docker**

  . Built production-grade backend with booking, search, and payments integration for real-world application.

  . Utilized **Redis** caching to improve response time by 45%, optimizing user experience.

  . Implemented **ACID** transactions using **Sequelize ORM** to ensure data integrity and reliability.

- **CRM Backend System**   **Node.js, Express, MongoDB, JWT, RBAC**

  . Built admin and user role access system using **JWT** and **RBAC** for secure multi-user environments.

  . Implemented lead management with **CRUD** operations, filters, and pagination for streamlined data management.

  . Added global error-handling and validations middleware to enhance application robustness and debugging.

- **Microservices Logistics System**   **Node.js, Kafka, PostgreSQL, Docker**

  . Built distributed **microservices** for orders and delivery events to support scalable logistics operations.

  . Integrated **Kafka** for real-time event streaming, enabling efficient communication between services.

  . Used **Redis** caching and **Nginx** reverse proxy to improve performance and load balancing.

Achievements

. Solved 800+ **LeetCode** problems, ranking in the top 35% globally, demonstrating strong problem-solving skills.

. Participated in **Smart India Hackathon 2023**, securing a top 30 position nationwide for innovative solutions.

. Achieved 90+ percentile in **AMCAT** assessments for Quantitative, Logical, and Programming sections.

Certifications

. **OCI 2025 Certified DevOps Professional** - Oracle Cloud Infrastructure

. **OCI 2025 Certified Generative AI Professional** - Oracle Cloud Infrastructure

. **NPTEL IoT** – IIT Kharagpur - Completed online course on Internet of Things