

# Anand Kushwaha

Backend Developer

✉ anandkushwaha70@gmail.com

☎ 9915363698

📍 Deokali,ghazipur,uttar pradesh

📅 13/07/1999

🚩 Indian

🌐 linkedin.com/in/anand-kushwaha-b352bb1ba

🐙 github.com/ANandasaad

## Profile

**Backend** developer with 3 years of experience specializing in scalable and efficient system design using the MERN stack. Proficient in **JavaScript, Typescript, React, Python, microservices, Docker, and Kubernetes**. Experienced in developing high-performance **RESTful APIs** and **GraphQL** services. Passionate about building robust, maintainable, and scalable solutions while continuously adapting to emerging technologies.

## Professional Experience

2024 – present  
Noida, India

### Associate Software Developer

*Clixlogix pvt*

- **Designed and developed backend APIs** for a collaborative application, ensuring **seamless real-time interactions** and efficient data handling, leading to a **30% improvement in response times**.
- **Built and optimized the backend** for a **B2C app** that helps farmers manage crops and inventory, contributing to the app's success in **streamlining agricultural workflows** and increasing adoption by **50K+ users**.
- **E-commerce Optimization:** Improved backend performance for a large-scale **e-commerce platform**, optimizing database queries and caching strategies, resulting in a **35% increase in load speed** and improved scalability.
- **Enhanced security & authentication** by implementing JWT-based authentication, OAuth2, and role-based access control (RBAC), strengthening application security and compliance.
- **Worked with cross-functional teams** (frontend developers, DevOps, product managers) to ensure **timely software delivery** and high-quality solutions in **agile environments**.

04/2022 – 01/2024  
Bhubaneswar, India

### Software Developer

*SearchingYard Group*

- **Backend Development:** Led backend development for a **high-traffic e-commerce platform** using **Node.js and GraphQL**, ensuring **high performance, scalability, and seamless integration** with front-end services.
- **Database Optimization:** Optimized **MongoDB data models** by restructuring schemas, indexing, and query optimization, **reducing query execution time by 40%** and enhancing overall platform efficiency.
- **Scalability & Performance:** Improved **API response times** by implementing caching strategies (Redis, in-memory caching) and reducing unnecessary database calls, ensuring **faster load times and better user experience**.

## Education

2017 – 2021  
Mohali, India

### Bachelor of Computer Science

*Chandigarh University*

## Skills

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Programming Languages: JavaScript, TypeScript, Python, SQL

Databases: MongoDB, PostgreSQL, Firebase

Cloud Platforms: AWS

Testing: Jest, Postman

APIs: RESTful APIs, GraphQL

Real-time: Websocket, Socket.io, Redis pub/sub

Frameworks: Node.js, Express.js, React.js, ReactNative, FastAPI, langchain

ORMs: Sequelize, Mongoose, Prisma ORM

Developer Tools: Git, VS Code, Docker, Kubernetes, Nginx

Message Brokers: RabbitMQ, NATS, Kafka

CI/CD: GitHub Actions

## Projects

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### Co-Creation App

*Tech stacks: JavaScript, PostgreSQL, Prisma, RabbitMQ, Redis Pub/Sub, Socket.io*

- **Developed a scalable collaborative web application** supporting multiple user roles, enabling seamless **task assignment, project collaboration, and AI-assisted management**.
- **Designed** real-time communication features using **Socket.io** and **Redis Pub/Sub**, ensuring instant updates across the platform.
- **Optimized PostgreSQL** with **Prisma ORM**, ensuring **efficient database queries, improved performance, and scalability**.
- **Implemented advanced role-based access control (RBAC)** with **email invitations** for secure **task assignments** and team collaboration.

### Grainstore App

*Tech Stack: JavaScript, MongoDB, Mongoose, Razorpay, NodeMailer*

- **Developed a B2C web application** empowering farmers to **manage crops, track inventory, and access premium subscription features** for better agricultural planning.
- **Implemented** a crop-specific premium **subscription model**, integrating **Razorpay** for payments and providing **advanced moisture calculation, analytics, and smart recommendations**.
- **Developed scalable and efficient RESTful APIs**, ensuring the backend could **handle high traffic and multiple concurrent users** without performance degradation.
- **Optimized MongoDB database structure** with **Mongoose**, improving **query performance and data retrieval speed** for a smoother user experience.

### Ticket Booking App

*Tech Stack: Typescript, Node.js, React.js, RabbitMQ, Razorpay, Docker, Kubernetes, Socket.io*

- **Developed a microservice-based** ticket booking platform with **real-time order management, secure payments, and instant notifications**.
- **Designed a scalable microservices architecture** for **event management, payments, users, and notifications**, ensuring fault tolerance, easy scaling, and maintainability.
- **Integrated Razorpay for seamless ticket payments**, supporting multiple payment gateways and ensuring a smooth checkout experience.
- **Developed a real-time notification service** using **RabbitMQ**, sending instant updates on booking confirmations, **payment statuses, and event changes**.
- **Containerized services using Docker and** orchestrated them with **Kubernetes**, ensuring **scalability, reliability, and automated deployments**.

## Certificates

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- Certification React Js Developer

## Achievement

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Solved 400+ DSA Problems on platforms like Leetcode, GFG,