

# ADESH KUMAR

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Full Stack Developer | MERN | Laravel | REST & GraphQL APIs | Microservices | DevOps | Databases

## SUMMARY

Full Stack Developer with 4+ years of experience in MERN and Laravel. Skilled in building APIs (REST, GraphQL), microservices, and deploying apps with Docker, Kubernetes, and AWS. Proficient with MongoDB, MySQL, Redis, and vector databases for AI use cases. Delivered fintech, AI automation, and B2B platforms with proven performance gains. Focused on clean code and efficient teamwork.

## KEY ACHIEVEMENTS

- Built and deployed a custom WhatsApp AI assistant adopted by 5+ businesses across real estate, legal, CA practices, astrology services, and wholesale sectors.
- Optimized MongoDB indexing and queries, reducing execution time by 40% in a high-traffic B2B e-commerce platform.
- Mentored junior developers and led technical discussions to improve code quality and backend architecture.
- Recognized with 'Best Employee of the Year' award and received performance bonuses for backend innovation

## SKILLS

**Backend & APIs:** Node.js, Express.js, Laravel, REST APIs, GraphQL, Microservices, JWT, OpenAPI Specs, Swagger.

**Frontend:** React.js, Bootstrap, AJAX, WebSockets, Socket.io

**Databases:** MongoDB, MySQL, Redis, Couchbase, Vector Databases (Pinecone, Weaviate).

**DevOps & Cloud:** Docker, Kubernetes, AWS, Git/GitHub, GitHub Actions.

**AI & Automation:** LiteLLM, n8n, LangChain.

**Testing & QA:** Jest, Postman, Newman, BrowserStack, SonarQube, Sentry.

**Collaboration & Productivity:** Jira, Slack, Confluence, Notion

**Authentication & Security:** JWT, OAuth2.0, MFA/2FA (OTP, QR code, Authenticator apps).

## PROJECTS

### WhatsApp AI Assistant

- Designed an AI-powered WhatsApp system automating customer queries using intent detection and smart replies. Adopted by businesses in real estate, CA practices, law offices, and astrology.
- Technologies:** Node.js, Express, OpenAI API, whatsapp-web.js, MongoDB, Socket.io, GraphQL, Redis, Kafka, Docker, Kubernetes.

### B2B Medicine E-commerce Platform

- Developed a scalable B2B medicine ordering system with secure login, KYC verification, combo deals, and bulk order tracking.
- Achieved a 40% improvement in query response time by optimizing backend queries.
- Technologies:** Node.js, Express, MongoDB, express-joi validation, JWT, Cloudinary, REST API, Redis, GraphQL.

### Real Estate Management System

- Built a role-based platform for property listings, lead tracking, payments, and dashboards with SEO tools.
- Technologies:** Laravel 9.x, PHP 7.x, MySQL 5.x, Laravel Sanctum, JavaScript, HTML, CSS, JSON, SQL.

### Coworking Space Booking Platform

- Architected a booking system with dashboards, KYC, online payments, invoices, and rent tracking.
- Technologies:** Core PHP, MySQLi, HTML, CSS, JavaScript, JSON, AJAX, ICICI Payment Gateway, Ola Maps API.

## WORK EXPERIENCE

### Full Stack Developer | DIRO – Internet Original Documents, Inc. | July 2025 – Present

- Optimized API infrastructure with dynamic config management, auto-refresh, secure credential handling, connection pooling, and advanced monitoring (SonarQube, Greylog, Sentry).
- Enhanced fraud prevention by optimizing a Python auto-whitelist module.
- Integrated LiteLLM & n8n for AI-driven automation, reducing manual tasks in document verification.
- Tech Stack: Node.js, Express.js, GraphQL, MongoDB, Couchbase, Vector DB, Python, Docker, Kubernetes, GitHub Actions.

### Full Stack Developer | Shared Tech Global – Noida | June 2022 – April 2025

- Engineered RESTful APIs and optimized MongoDB queries to improve performance.
- Integrated WhatsApp into CRM, enabling intelligent auto-replies and AI fallback.
- Designed secure authentication flows with JWT and multi-channel verification.
- Tech Stack: Laravel (PHP 7.x), MySQL, Python, JavaScript, HTML, CSS.

### Junior Full Stack Developer | Shree SS Coworking Pvt. Ltd – Ghaziabad | March 2021 – May 2022

- Developed CRM to manage leads and track sales activities.
- Created a real estate platform with role-based dashboards and lead tracking.
- Built coworking booking system with KYC, payments, and instant reservations.
- Tech Stack: Laravel, MySQL, JavaScript, HTML, CSS.

## EDUCATION

### Indira Gandhi National Open University      Completed: Dec 2022

#### Bachelor of Computer Applications (BCA), GPA: 3.38 / 5.0

- Core Subjects: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming (C++), and Database Management Systems.
- Applied Skills: Web Development, Software Engineering, REST APIs, Node.js, Express.js, MongoDB, and Git/GitHub.

### S.A.CGOVT. SARVODAYA VIDYALAYA SHAM NATH MARG (CBSE)

- Senior Secondary (12th), 2016 – 56.8% (Commerce)
- Secondary (10th), 2014 – 66%

## CERTIFICATIONS

- NIELIT O Level Certification (DOEACC) – National Institute of Electronics & Information Technology.
- Meta Back-End Developer Specialization (Coursera)
- Docker & Kubernetes Practical Guide (Udemy)
- Version Control (Meta, Coursera)
- LangChain for LLM Application Development (DeepLearning.AI)