

ADITYA KUMAR

Full Stack Developer (MERN / Full Stack Engineer)

India | Open to Remote & Relocation

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PROFESSIONAL SUMMARY

Full Stack Developer with strong experience in building scalable, production-ready web applications using the MERN stack and modern backend architectures. Proven ability in developing RESTful APIs, authentication and authorization systems (JWT, RBAC), background job processing, caching, real-time systems, and cloud-based services. Hands-on experience with AWS, Redis, BullMQ, Docker, and video streaming pipelines. Actively seeking a Full Stack Developer internship or entry-level role.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, C, C++

Frontend Technologies: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Responsive Web Design

Backend Technologies: Node.js, Express.js, REST APIs, JWT Authentication, RBAC, Redis, BullMQ, Socket.IO

Databases: MongoDB, PostgreSQL

Cloud & DevOps: AWS (S3, ECS, SQS), Docker, GitHub CI/CD, Linux (Basic), Nginx

Tools: Git, GitHub, Postman, NPM

Computer Science Fundamentals: Data Structures and Algorithms, Problem Solving, API Design, System Design Basics

WORK EXPERIENCE

Independent Full Stack Developer (MERN) | January 2024 – Present

- Developed 3+ production-level full stack applications using MongoDB, Express.js, React.js, and Node.js
- Designed and implemented 20+ RESTful APIs for authentication, authorization, and CRUD operations
- Implemented JWT-based authentication, RBAC, and single-device session login for 100+ users
- Improved backend performance by ~30% through database indexing, query optimization, and caching
- Automated development workflows, reducing manual setup time by ~40%
- Collaborated on end-to-end application development including frontend, backend, and deployment

PROJECTS

EduApp 2026 — Full Stack Educational Platform

GitHub: github.com/Adityakbr01/eduApp2026 | Live: app.edulaunch.shop

- Designed and developed a scalable full stack EdTech platform using Next.js, Node.js, Express, and MongoDB
- Implemented secure authentication and authorization using JWT, bcrypt, and role-based access control
- Built a course management system with lessons, assessments, progress tracking, reviews, and ratings
- Developed an event-driven HLS video processing pipeline using FFmpeg and AWS ECS Fargate
- Reduced video processing infrastructure cost by ~70% using serverless container execution
- Implemented Redis caching, reducing API response times by up to 96% and minimizing database load
- Built a BullMQ + Redis based background job system for OTPs, notifications, and email campaigns
- Integrated Razorpay payment gateway for paid course enrollment
- Implemented real-time API monitoring using Socket.IO and Redis buffering
- Containerized services using Docker for production deployment

EduLaunch — Full Stack SaaS Web Application (Not Maintained Recently)

GitHub: github.com/Adityakbr01/SaaS_cohort_management | Live: edulaunch.shop

- Developed a full stack SaaS platform for educational institutions using the MERN stack
- Built RESTful APIs for user management, quizzes, assignments, and content management

- Integrated Stripe payment gateway and Cloudinary for media storage
- Focused on secure backend development and responsive frontend design

Stack-Gen — NPM Package

npmjs.com/package/@aditya_kbr01/stack-gen

- Developed and published a Node.js CLI tool to generate MERN, PERN, and MEVN project boilerplates
- Automated application scaffolding, reducing initial development time by ~40%

EDUCATION

Bachelor of Computer Applications (BCA)

D.K. College, Dumraon, India | 2024 – 2027 (Pursuing, 2nd Year)

LANGUAGES

Hindi — Fluent | English — Intermediate