

Arjun Pratap

Full Stack Developer (MERN) | Backend Engineer | Generative AI Engineer

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PROFESSIONAL SUMMARY

Full Stack Developer with **3+ years of experience** building scalable web applications using the MERN stack. Specialized in **Backend Engineering and Microservices architecture**, with expertise in designing RESTful APIs, database optimization, and cloud deployment on AWS. Hands-on experience integrating **Generative AI** solutions using OpenAI APIs and LangChain to automate business processes. Proven track record in **CI/CD, Docker, and Agile development** to deliver high-performance, production-ready systems.

TECHNICAL SKILLS

Frontend: ReactJS, JavaScript (ES6+), HTML5, CSS3, TailwindCSS, Bootstrap

Backend: Node.js, Express.js, **Microservices**, ASP.NET Core, REST APIs, JWT

Databases: MongoDB, PostgreSQL, MySQL, SQL Server

Generative AI: OpenAI API, LLMs, Prompt Engineering, LangChain, Agentic AI

Cloud & DevOps: AWS (EC2, S3), Docker, GitHub Actions, CI/CD

Fundamentals: Data Structures, Algorithms, Low-Level Design, API Security

Tools: Git, GitHub, Postman, Linux, VS Code

PROFESSIONAL EXPERIENCE

NIIT Ltd

Sep 2022 – Present

Software Developer – Full Stack (MERN + GenAI)

- Designed and maintained **Microservices-based MERN applications** serving **1,200+ active users** across internal and client platforms.
- Built scalable **RESTful APIs** with efficient request handling logic, supporting **10,000+ daily requests**.
- Implemented **JWT-based authentication** and **role-based access control (RBAC)** for secure service-to-service communication.
- Optimized **MongoDB queries and data access patterns** using appropriate data structures, reducing response times by **30–35%**.
- Integrated **Generative AI** features using OpenAI APIs for automated summarization, reducing operational effort by **40%**.
- Designed backend **orchestration workflows** using prompt engineering and LLM orchestration.
- Containerized microservices using **Docker** and implemented **CI/CD pipelines** with GitHub Actions, reducing deployment time by **40%**.
- Participated in **low-level system design** discussions covering API contracts and database schema design.
- Deployed and managed applications on **AWS EC2 and S3**, ensuring **99.9% uptime**.
- Collaborated in **Agile/Scrum teams** to deliver end-to-end features across the stack.

KEY PROJECTS (PERSONAL & PROFESSIONAL)

AI GitHub Profile Analyzer

Tech: MERN Stack, Node.js, OpenAI, AWS, Docker

- Built an AI-powered platform to analyze GitHub profiles using LLM-based scoring.
- Designed **Microservices architecture** for data ingestion and processing with scalable API endpoints.
- Implemented caching mechanisms and indexing, reducing response latency by **60%**.

Blog Management Platform

Tech: MERN Stack, JWT, MongoDB

- Developed a full-featured blogging platform with CRUD operations and role-based access.
- Optimized MongoDB schemas to support **5,000+ daily API requests**.

EDUCATION

Bachelor of Technology (B.Tech) – Computer Engineering
Mumbai University

2018 – 2022

CGPA: 7.3 / 10

CERTIFICATIONS & INFO

- **AI-Powered Applications** with OpenAI & LangChain – Learnbay
- **Docker & CI/CD Fundamentals** – Online Certification
- **Availability:** Open to Backend Engineer, Full Stack Developer, and GenAI roles.