

Ashish Tripathi

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Professional Summary

Software Engineer with over 2 years of experience in designing and developing scalable backend systems using Node.js, MongoDB, and Express.js. Skilled in building RESTful APIs, implementing JWT-based authentication, and optimizing microservices architectures. Proficient in web scraping, cloud services (AWS S3), and performance optimization for web and mobile applications. Adept at collaborating with cross-functional teams and mentoring junior developers to deliver high-quality, secure, and efficient solutions.

Experience (2.5 years)

Software Engineer

Noida, Uttar Pradesh

Trident Analytical Solutions,

Mar/2023 - Apr/2025

- ❖ Developed **RESTful APIs** and microservices using **Node.js** (**Express.js** / **loopback**) and **MongoDB**, supporting **10,000+ daily** users for a **SaaS** product, enhancing scalability by **25%**.
- ❖ Implemented **JWT-based authentication** and **Bcrypt** encryption, ensuring secure data access for client-facing applications.
- ❖ Built **web scraping** solutions using Puppeteer and **JavaScript**, improving data extraction efficiency by 30% for analytics across web and mobile platforms.
- ❖ Optimized **MongoDB queries** and **indexes**, reducing API latency by **30%** and improving application performance for e-commerce clients.
- ❖ Integrated **Node.js backend** with **React.js frontend**, enhancing UI responsiveness by **20%** for **3+** client projects.
- ❖ Mentored 3 junior developers, reducing code review errors by **15%** through pair programming and Agile practices.

Backend Developer Trainee - FunctionUp Bootcamp (Remote)

Jul 2022 – Apr 2023

- ❖ Completed a 9-month intensive backend development program focused on Node.js, Express.js, MongoDB, and RESTful APIs.
- ❖ Built real-world projects using microservices architecture and implemented JWT authentication.
- ❖ Practiced Agile development, version control using Git/GitHub, and API testing via Postman.
- ❖ Collaborated with peers to solve DSA problems and participated in mock interviews and code reviews.

Projects

Virtual Barcode Distribution (VBD)

- ❖ Designed a Node.js microservices backend using LoopBack and MongoDB, improving deployment efficiency by 20% for a retail client.
- ❖ Developed secure RESTful APIs with JWT authentication and Bcrypt encryption, supporting 10,000+ users with zero security breaches.
- ❖ Integrated backend with React.js UI, reducing page load times by 15% for a seamless user experience.
- ❖ Utilized Git/GitHub for version control, Postman for API testing, ensuring 100% uptime for deployments

Skills

- ❖ **Languages:** JavaScript, Python, Java
- ❖ **Frameworks/Libraries:** Node.js, Express.js, LoopBack, React.js, Spring Boot
- ❖ **Databases:** MongoDB, Redis
- ❖ **Tools & DevOps:** Git, GitHub, Docker, Postman
- ❖ **Cloud Services:** AWS S3
- ❖ **Technologies:** RESTful API, Microservices, JWT Authentication, Web Scraping, Puppeteer
- ❖ **Other:** Data Structures & Algorithms

Education

B.Sc. Mathematics

Prof. Rajendra Singh (Rajju Bhaiya) State University, Prayagraj

Jun/2020 – Jun/2023

Certifications

- TCS iON Career Edge: Young Professional (2023)
- Backend Developer Trainee, FunctionUp Bootcamp (Jul 2022 – Apr 2023)