




# Tanmay Upadhyay


**Software Engineer:** Integrichain || Product & Technology || BIT Mesra, Ranchi 2020-2024

Results-driven *Software Engineer* with 2 years of experience in software development, including a key role in Product & Technology at IntegriChain. Proficient in full-stack development using the MERN stack, Angular, and Python, with a strong foundation in system architecture, product design, and scalable application development. Proven ability to deliver robust, high-performance solutions in fast-paced, cross-functional environments.

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 India

## AREAS OF EXPERTISE

Java 8, Stream API, Lambda Expressions, Python, HTML5, CSS3, JavaScript, TypeScript, React.js, Next.js, Angular, Node.js, Spring Boot, RESTful APIs, Microservices, MongoDB, PostgreSQL, MySQL, NoSQL, SQL, AWS (EC2, S3), Docker, Jenkins, Linux, Git, GitHub, Bitbucket, Webpack, JIRA, Power BI, Google Sheets, SAP, Object-Oriented Programming, Data Structures and Algorithms, System Design, Software Development Life Cycle (SDLC), Agile Methodology, Unit Testing, JUnit, Mocha

## PROFESSIONAL EXPERIENCE

**Software Engineer:** Product & Technology Engineering  
Integrichain

|| 08/2024- Present

Pune, IN

- **Owned and delivered end-to-end development** of scalable web applications using **Angular** (frontend) and **Python (Flask)** (backend), improving platform responsiveness and reducing user-reported issues by over 35%.
- **Redesigned system architecture using microservices**, increasing modularity and enabling independent deployment cycles, which cut integration time by 40% and improved system uptime.
- Partnered with product and design teams to **rebuild core interfaces**, enhancing user experience and leading to a 20% increase in internal adoption across client analytics tools.
- **Implemented comprehensive test coverage with Jest and Pytest, reducing regression incidents by 30% and improving QA efficiency in sprint cycles.**
- **Streamlined build and deployment processes by integrating Jenkins, Git, and Docker, resulting in a 50% faster CI/CD pipeline and increased release confidence.**
- **Managed complex datasets using MongoDB, optimizing database queries to reduce average data retrieval time by 45% in reporting modules.**
- **Conducted in-depth system performance profiling, identifying key bottlenecks that led to a 25% improvement in API latency and overall system throughput.**
- Acted as a key liaison between engineering and product teams, ensuring **on-time delivery of features** with high functional stability across distributed environments.

**Full-Stack Development:** Product & Design Team  
TalentServe Pvt. Ltd.

|| 03/2024 – 7/2024

Mumbai, IN

- **Spearheaded the development of end-to-end web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js), significantly enhancing user engagement and reducing feature delivery timelines by 30%**
- **Engineered scalable RESTful APIs and backend services using Node.js and Express, improving data transaction efficiency and supporting high-volume traffic with consistent reliability.**
- **Conducted unit testing and debugging across both frontend and backend layers, increasing system stability and reducing production bugs by 40%.**
- Collaborated closely with UI/UX teams to implement **responsive and high-performing interfaces in React.js**, leading to smoother user interactions and a 25% improvement in user satisfaction metrics.
- **Streamlined version control and automated deployment using Git and Jenkins, reducing manual**

**deployment errors and enabling faster release cycles.**

- Led key **performance optimization initiatives**, identifying critical bottlenecks through profiling tools and implementing enhancements that decreased page load time by 50%.

## INTERNSHIP EXPERIENCE

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### Analyst Intern

Ernst & Young India

|| 01/2024 – 04/2024

Gurugram, IN

- Performed **statistical analysis on CAFTA project datasets**, uncovering key business trends and supporting predictive modeling to inform data-driven strategies.
- Utilized **SAP modules** (Finance, Procurement, Supply Chain) for end-to-end data extraction, management, and reporting—enhancing visibility into operational performance.
- Applied **data analytics and troubleshooting techniques** to identify bottlenecks, improve system responsiveness, and enhance the end-user experience across internal tools.
- Delivered **actionable insights and visual reports** that supported leadership in making informed strategic decisions for cross-functional initiatives.

### Web Developer Intern

LaserPay

|| 06/2023 – 09/2023

Bangalore, IN

- Maintained and optimized the company's primary website and developer accounts, while actively contributing to the development of a new web-based platform.
- Developed and deployed secure features using **Java and Firebase**, including **real-time database integration, token generation, and certificate creation**, enhancing system responsiveness and security.
- Gained hands-on experience in **user authentication workflows**, data handling, and backend logic in cloud-based environments.
- Pioneered secure features for '**QR\_Code\_Generator**', enabling real-time database integration and token generation, enhancing operational efficiency by processing 200+ QR scans per day with 99.9% accuracy..
- Strengthened proficiency in **Java, Firebase, and database management**, while working in an agile, fast-paced startup environment focused on rapid iteration and innovation.

## EDUCATION

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### B. TECH -ELECTRONICS & COMMUNICATION ENGINEERING

Birla Institute of Technology, Mesra, Ranchi

2020-2024

CGPA: 8.20/10

## CERTIFICATES & ACHIEVEMENTS

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- Python Basics & Intermediate Training
- Power BI
- Data Science Foundation
- Full Stack Development
- Google Cloud
- Completed 100+days of coding challenge on [LeetCode](#).
- Certified for CSS, JavaScript (Basic & Intermediate), Java over [HackerRank Certificate's](#)
- Earned Gold Badge for java and bronze level badge on [HackerRank](#)