

MANASH RANJAN RAUTA

Software Development Engineer 1

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EXPERIENCE

Software Development Engineer 1

EPAM Systems

November 2021 – Present Hyderabad, INDIA

- Led development and enhancement of Mastercard Payment Gateway's Payment API's and infrastructure, improving API response time by 20% for major schemes like Mastercard, Visa, and American Express.
- Collaborated in Scaled Agile sprints, achieving a 30% reduction in post-release defects through Test-Driven Development (TDD). Integrated JUnit and Jenkins for automated testing, and optimizing code quality. Utilized Agile methodologies and tools like Jira and Confluence.
- Innovated Docease! tool, reducing test result documentation from ~3-4 days to ~30 minutes. Achieved 100% accuracy and an intuitively seamless experience using Spring Boot and DocX4J. Integrated with Postman and application logs for comprehensive testing insights.
- Implemented JUnit unit tests with ~90% code coverage, reducing deployment errors by 25%. Deployed solutions over CI/CD pipelines, optimizing processes. Managed versioning and release strategies using Git and Jenkins.

Software Developer Intern

Shiash Info Solutions

July 2021 – October 2021 Chennai, INDIA

- Python coding initiatives as an intern I leveraged structured company training and hands-on applications to achieve a 30% increase in code efficiency.
- Developed and maintained software products, demonstrating mastery in software development and showcasing proficiency in Python. Utilization of frameworks resulted in a 20% reduction in development time.
- Executed code writing, testing, and debugging responsibilities with precision, contributing to a 15% improvement in overall program stability. Integrated applications seamlessly with third-party web servers, ensuring a smooth and efficient workflow.

EDUCATION

MS in Computer Science

(ECTS: 7.60 cont.)

Woolf University - Scaler Neovarsity

December 2021 – Present Bengaluru, Karnataka

- Pursued distance learning from a European university, gaining knowledge and skills remotely.
- Design and Analysis of Algorithms | Applied Computer Science | System Design | Product Mindset | Problem-Solving | Backend-Development
- Case studies of Large-Scale Enterprise Applications such as Food Delivering Applications, Ride Sharing Applications, Splitwise Applications, Typeahead, Media streaming Applications, and IRCTC Application.

B. Tech in Electronics & Telecommunication (CGPA: 8.36)

Biju Patnaik University of Technology

July 2018 – July 2021 Bhubaneswar, Odisha

- Digital System and Microprocessors | Embedded Programming | Very large scale integration (IC) | Wireless Communication | Control Systems
- Websites built: TechFest, Online Results, Attendance Management
- IOT Based Home Automation and Surveillance System (Major Project)

ACHIEVEMENTS

Employee of the Month- EPAM Systems - 2023

- Honoured with the Pat On Back award for showcasing exceptional dedication and performance.
- Recognized by the client for building the Docease application tool, it's a testament to remarkable commitment and accomplishment.

Mobile Robotics - Nationalist- World Skills Competition - 2019

- Achieved Medallion of excellence in mobile robotics; seeking to create an autonomous robot by integrating sensors, navigation, and vision processing, prioritizing planning and localization.

TECHNICAL SKILLS

- Programming:** Java, C, C++, Python, PHP
- Data Structures & Algorithm (Advanced)**
- Frameworks:** Spring, Spring Boot, Hibernate/JPA, HTML, CSS, Bootstrap
- Databases:** MySQL, NoSQL, Firebase, Postgresql, Oracle, Cassandra, Redis DB.
- Tools:** Git, Bitbucket, Rally, Maven, AWS, Postman, Splunk, Kibana, Jenkins, Putty
- Tech:** Zookeeper, Kafka, Elastic Search, S3, Quad Trees, CAP Theorem, Orchestration & Sharding
- Other:** J2EE, JDBC, Linux, IntelliJ IDEA, Eclipse, VS Code, Confluence, Jira, Rally

PROJECTS

DocEase - Documentation in seconds

- Engineered a robust Mastercard tool, automating data retrieval and organization, amplifying efficiency, reducing errors, and elevating productivity significantly.
- Its automated approach and organizational feature reduces ~3-4 days of manual efforts to ~30 minutes.
- TechStack:** JAVA, Spring Boot, NodeJs, DocX4J, Apache POI

AI Powered Travel Buddy

- Engineered an AI travel assistant leveraging state-of-the-art technologies: Redis cache for optimized data storage, ChatGPT Turbo 3.5 for advanced natural language processing, and DALL-E 3 for image generation.
- Achieved measurable impact: 30% faster response time with Redis cache, 20% improvement in customer satisfaction leveraging ChatGPT Turbo 3.5, enhanced visual capabilities using DALL-E 3 and broadened accessibility through third-party app integration.
- TechStack:** JAVA, Spring Boot, Angular, ChatGPT Turbo 3.5, DALL-E 3, Redis Cache, MySQL, Swagger

tublu001/TravelBuddy

BookMyShow- Movie/Event Ticket Booking Platform

- Developed a robust Java Spring Boot BookMyShow app for seamless online ticket booking, featuring user authentication, seat selection, payment processing, real-time updates, and scalable, modular architecture.
- TechStack:** JAVA, Spring Boot, MySql (RDBMS)

tublu001/BookMyShow

COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Software Engineering
- Operating Systems
- Database Management Systems
- Low level & High level System Architecture

CERTIFICATION

- Scaler's Backend Engineering, System Design, Data Structure & Algorithms course aiming to enhance analytical & problem-solving skills.
- Concepts Learn: SAFE, Agile, Object-Oriented design (OOD), SOLID principles, Design Patterns, Stream API/Functional Programming, Multi-threading, Distributed System, Low level & High-Level Design