

Ujjwal Pandey

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Professional Summary

Software Engineer with experience in backend and frontend development, specializing in API development and scalable web applications. Led key features for a Digital Asset Management (DAM) system and optimized API testing with Postman. Developed an Employee Progress Tracker, improving internal performance monitoring. Passionate about building efficient and scalable solutions.

Professional Experience

Jio Platforms Limited
Jan 2024 – Present

Software Developer

- Currently working on the backend and frontend development of the Digital Asset Management (DAM) system, ensuring efficient asset organization and retrieval. Key contributions include:
 - 1 Search Functionality: Developed a robust search mechanism allowing users to locate assets using unique Asset IDs or asset names.
 - 2 Advanced Search: Enhanced search capabilities by integrating multiple filters, enabling users to search based on asset size, date range (day, month, year), AI-generated/manual tags, and asset type (Image, MP3, MP4, etc.).
 - 3 Dashboard & Asset Management UI: Designed and implemented the user interface for the dashboard and assets page, ensuring seamless navigation and an intuitive user experience.
 - 4 Collaboration QA: Worked closely with the QA team throughout the project lifecycle, ensuring rigorous testing, bug resolution, and feature validation.
 - 5 API Testing Automation: Developed Postman scripts to automate API testing, utilizing environment variables and collection variables to enhance efficiency.
- Designed and implemented an Employee Progress Tracker, streamlining internal performance monitoring. Successfully presented the project to senior management as a potential universal platform for tracking team performance across the organization.
- Developed and optimized Postman scripts to automate API testing for DAM and other projects, leveraging advanced Postman features such as environment variables, collection variables, and dynamic scripting to enhance test efficiency.

Personal Projects

Construction Site Attendance Management System

- Developed an intelligent attendance system using Machine Learning to verify worker liveliness and grant attendance.
- Designed a database to store worker profiles, roles, and past experiences, making all data easily accessible.
- Enabled administrators to manage worker data (add, update, delete) and monitor progress in real time.
- Leveraged technologies like Python, Nodejs, EJS, MongoDB to implement the solution.

Educational Platform with Real-Time Q&A

- I led the backend development for a project that offered educational content, with sections for different subjects and downloadable PDFs.
- Designed and implemented a real-time Q&A system using WebSockets, enabling interaction between students and teachers.
- Built RESTful APIs for content upload, user authentication, and role-based access control.
- Tools used: Node.js, Express.js, Socket.io, MongoDB.

Technical Skills

Programming Languages: JavaScript, Python

Technologies: React.js, Node.js, Express.js, MongoDB, Redis, Docker Basics

Tools: Git, Postman, VS Code

Soft Skills: Excellent communication, team collaboration, problem-solving, time management

Certifications

- Mastering JavaScript Essentials 2021 Novice to Professional (Udemy)
- Programming for Everybody (Getting Started with Python) (Coursera)

Education

Thakur College of Engineering and Technology Bachelor of Engineering (B.E)
CGPA: 9.24/10.0

June 2023

Accomplishments

- Presented an SLP-length paper at IC-ICN-2022.