

Tapan Kumar

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EXPERIENCE

Analyst/Software Engineer, Capgemini

06/2024 - Present | Bangalore, India

- Designed scalable **RESTful APIs** for the Organization module, reducing integration effort by 40%.
- Built an optimized organization search engine, cutting developer lookup time by 80%.
- Developed secure **user authentication** and profile management APIs with full **CRUD** operations.
- Collaborated on **React.js** integration, improving load time and system performance by 40%.
- Implemented a "Connect with Us" feature, increasing customer issue resolution by 60%.

Graduate Engineer Trainee, Jio Platforms Limited

12/2023 - 05/2024 | Mumbai, India

- Built a real-time **DevOps monitoring dashboard** to visualize system alerts by severity.
- Engineered backend logic using **PostgreSQL** and **Django**, enabling efficient alert classification.
- Integrated **Prometheus** and **Grafana** for real-time metrics and system health visualization.
- Enabled 40% faster incident response through alert prioritization and visual cues.

Full Stack Developer, Auctopus Technologies

04/2023 - 11/2023 | Remote, India

- Built a real-time **DevOps monitoring dashboard** to visualize system alerts by severity.
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- Enabled 40% faster incident response through alert prioritization and visual cues.

SKILLS

Programming Languages: Python | Java | JavaScript | TypeScript | SQL

Frameworks and Libraries: React.js | Angular | Spring Boot | Microservices | Django | Django Rest Framework | Django Channels | Redux | Redux Query Toolkit | Tailwind CSS | Formik | Yup | Feign | Eureka

Database Management: SQL | Postgress

Version Control System: Github | Github Actions | Azure

API Development and Testing: Postman | Swagger

Tools & Platforms: Azure DevOps Boards | GitHub | Visual Studio Code | IntelliJ | MySQL

Tools & Integration: Celery | Postman | OAuth | JWT | Auth0

PROJECTS

Quiz Management System

- Built a microservices-based quiz platform with **Angular** for students to attempt quizzes and visualize performance using **Angular Charts**.
- Enabled quiz creation via **PDF uploads**, using **OpenAI API** to auto-generate questions.
- Integrated a **chatbot** for real-time student support and query resolution.
- Developed admin dashboards to monitor quiz attempts and analytics.
- Used **Feign Client** for inter-service communication and **MySQL** for optimized data storage.
- Refactored backend code for scalability and performance.

DevSearch

- Developed a developer collaboration platform using **Django**, allowing users to create profiles, showcase projects, and connect.
- Implemented secure **user authentication**, project listing, and messaging features.
- Designed a responsive UI using **Django Templates** and **Bootstrap**.
- Focused on modular architecture for maintainability and scalability.

E-Commerce

- Built a scalable e-commerce app using **React**, **Redux**, **Django**, and **Django REST Framework**.
- Implemented **OAuth2 authentication** and integrated **email services** for user onboarding and notifications.
- Optimized API performance and applied core **Django features** for clean, maintainable architecture.

EDUCATION

B.Tech in Information Technology,
Maulana Abul Kalam Azad University of Technology

2020 - 2023 | West Bengal

CGPA: 9.2/10

CERTIFICATES

Python , Python With Data Structures , React , Java , JavaScript , Problem Solving , Docker