

# Ankur Kumar Pathak

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## EXPERIENCE

### Software Developer

Staffinity.ai LLP

July 2024 - Present

Bengaluru, India

- Developed REST APIs using Fast API and PostgreSQL for the Data Visualization SaaS Application.
- Integration of Product APIs with Ory Network to enhance security.

### Associate Software Engineer

Bizdata360 Software Private Limited

April 2022 – June 2024

Bengaluru, India

- Developed REST APIs using FastAPI and MySQL for the Data Integrations SaaS Application.
- Developed WebSocket APIs using FastAPI for Realtime log streaming to improve user experience.
- Developed backend using Zero MQ for the Data Integrations SaaS Application.
- Collaborated with cross-functional teams including frontend developers, designers, and product managers to define API requirements and deliver solutions that meet business objectives.
- Implemented authentication and authorization mechanisms such as JWT tokens and OAuth 2.0 to secure API endpoints and protect sensitive data.
- Investigated and resolved complex technical issues and bugs reported by QA testers or end-users, maintaining a prominent level of product quality and reliability.

### Idoow (Zongo Technologies Pvt Ltd)

Software Engineer Trainee – Freelance

Feb 2022 - April 2022

Hyderabad, India

- Developed REST APIs using Django and PostgreSQL
- Optimized database queries and data retrieval processes to improve API response times and overall system performance.

## PROJECTS

• **RESTful API for Task Management:** Built a RESTful API using Python, FastAPI, and PostgreSQL to manage tasks. Users can create, update, delete, and retrieve tasks via HTTP requests. Implemented authentication and authorization for secure access. *Key features include:*

- User registration and login with JWT authentication.
- CRUD operations for task management.
- Role-based access control to ensure data security.
- Pagination and filtering for task lists.
- Detailed documentation using Swagger UI.

*Technologies used:* Python, FastAPI, PostgreSQL, JWT, Swagger UI.

• **Real-time Chat Application:** Created a real-time chat application using Fast API and WebSocket technology. Users can send and receive messages instantly. *Key features include:*

- Real-time messaging with WebSocket.
- Message history and storage.

*Technologies used:* FastAPI, WebSocket.

• **Movie Rating App:** Developed a comprehensive movie rating application using Django Rest Framework (DRF) with SQLite as the database backend. *Key features include:*

- Register and authenticate using JWT tokens.
- Browse a list of movies with detailed information.
- Submit ratings and reviews for movies.
- Search and filter movies based on genres, release date, and ratings.
- Utilized RESTful API design principles to ensure a scalable and maintainable codebase.
- Ensured secure user authentication and authorization processes.

*Technologies used:* Django Rest Framework, SQLite, JWT

## TECHNICAL SKILLS

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- **Languages:** Python, Java, SQL, JavaScript
  - **Frameworks & Libraries:** Fast API, Django Rest Framework (DRF), Zero MQ, Pandas, NumPy
  - **Developer Tools:** Git, VS Code, Google Cloud Platform
  - **Databases:** SQL, MongoDB

## EDUCATION

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### **Biju Patnaik University of Technology**

*Bachelor of Technology in Mechanical Engineering*

Bhubaneswar, Odisha

*Aug 2015 – May 2019*

## HOBBIES

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### **Continuous Learning:**

- Dedicated to honing skills in backend development and API programming, currently deepening understanding of Python core concepts to enhance code efficiency, readability, and maintainability.
- Actively expanding skills in web development technologies, currently focused on mastering JavaScript to enhance frontend development proficiency and deepen understanding of full-stack development principles.