Praful Vats

Python, C++

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Summary

Kinetic, Strategic, and Innovative individual, with an interest in the science of software development and a curiosity to explore the capabilities of programming languages. With knowledge of software designing, developing, and implementing testing plans. Proficient in working in agile methodology and communicating with the team to build software services and products.

Education

- **SRM Institute of Science and Technology** Ghaziabad, India
  Bachelor's in Computer Science and Engineering (CGPA-8.08) 2018 - 2022
  Courses: Operating Systems, Data Structures and Algorithms, Object Oriented Design, Programming and Database Management Systems.

- **St. Mary's Convent Sr. Sec. School** Dhampur, India
  Class 12th or equivalent 2006 - 2017
  Courses: Mathematics, Computer Science, Physics, Chemistry, English.

Skills Summary

- **Languages**: Python, C++, Java, HTML, CSS, JavaScript
- **Frameworks/Library**: Django, GraphQL, React, REST API
- **Tools**: Postman, AWS, Git, MySQL, Postgres, MongoDB, Linux
- **Soft Skills**: Collaborating, Problem-solving, Communication, Teamwork

Experience

- **Imbibe Consultancy(Acenet)** Gurgaon, India
  Junior Software Developer 2021 – 2022
  - **Application Tracking System**:
    - Developed web application by using Django, React, and MySql to increase HR workflow by 25%.
    - Increased server query response time by restructuring APIs in Python.
    - Designed the frontend elements, mapped the application routes, and edited a Bootstrap-based admin template.

- **Alea IT** Jaipur, India
  Python Development Intern 2021 – 2021
    - Hands-on with API for the medical application with Django Rest Framework.
    - Quality assuring the workflow of Python APIs and UI/UX.
    - Research in API and UI automation using Postman to increase the productivity of QA.

Projects

- **UniQuest**
  Real-Time Data Processing Platform
    - Developed a real-time data processing and analysis platform using Django, AsyncIO, and Apache Kafka.
    - Implemented API endpoints, WebSockets, message queue, authentication, and data processing using AsyncIO.
    - Utilized message queue using Kafka to buffer messages and ensure the data processed in the correct order.
    - Designed the data models using Django's ORM and validated incoming data using Django's serializers.

- **Pawnet**
  Social Network for Pets
    - Developed a backend system using Python and Django to support the social network.
    - Implemented a GraphQL API for querying and mutating data for the application.
    - Modeled database using MongoDB to store user information, pet information, and social network activity.

Honors and Awards

- International Math Olympiad (Gold - School level)

- Python Developmnet (CETPA Infotech)

- Organizing Committee (College fest)