

Praful Vats

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SUMMARY

Software Engineer with a strong foundation in programming languages and software development methodologies. Proficient in designing, developing, and implementing solutions that drive efficiency and enhance user experiences. Experienced in agile methodologies and effective collaboration within cross-functional teams. Passionate about solving complex business challenges and create products and services through technology, and effective communication.

SKILLS

Python | Django | React.js | JavaScript | TypeScript | C++ | Redux | Flask | React Native | Angular.js | Node.js | REST API | SQL | NoSQL | PostgreSQL | AWS | Git | GitHub | Linux | UNIX | Docker | Apollo | Unit Testing | Frontend | Backend | Full-Stack

EXPERIENCE

- **My Next Film**
 - Backend Developer* 2023 – Present
 - Implementing key features using Python, Django Rest Framework, MongoDB, and React to enhance the overall functionality and responsiveness of the software.
 - Taking the lead in designing and implementing RESTful APIs, optimizing database queries, and continuously improving system efficiency.
 - Employing AWS services for cloud-based deployment, utilizing Docker for containerization, and ensuring optimal performance through effective server management.
- **Perfect Software**
 - Software Engineer* 2022 – 2023
 - Optimized page load times and reduced server load by focusing on frontend performance improvements, emphasizing expertise in frontend systems engineering and operations.
 - Improved page load times and reduced server load through RESTful API optimization, showcasing strong Systems Engineering and Operations.
 - Collaborated effectively with cross-functional teams to achieve project goals, supporting Business Initiatives and using Automation Tools for New Technologies Integration and Security.
- **Acenet**
 - Junior Software Developer* 2021 – 2022
 - Led the development of an Application Tracking System, reducing hiring cycle time and supporting operations, including Management Tools.
 - Implemented system enhancements, resulting in a 15% improvement in server query response times, utilizing Automation Tools and Debugging skills.
 - Utilized React, Python, Django, and MySQL to streamline recruitment processes and enhance team productivity, supporting Security, Business Initiatives, and Gateway Implementation.
- **Alea IT**
 - Python Development Intern* 2021 – 2021
 - Enhanced API performance for a medical application using Django Rest Framework, ensuring seamless data transmission and system reliability, and supporting Security.
 - Conducted QA testing and UI/UX improvements, maintaining a high standard of functionality and user experience, demonstrating strong Communication and Interpersonal skills.
 - Pioneered API and UI automation research with Postman, resulting in increased QA productivity and streamlined testing processes, showcasing Automation and Management skills.
- **National Informatics Centre**
 - Software Development Intern* 2021 – 2021
 - Designed and developed a metadata information portal using Python and Django, providing an efficient platform for displaying website details, supporting Operations and Business Initiatives.
 - Innovated a real-time NS-Lookup system with seamless import/export functionality for both IPv4 and IPv6 addresses, enhancing network diagnostic capabilities, and using Protocols such as TCP/IP, HTTP, DNS, and NTP.
 - Took the initiative in automation efforts by introducing an Excel upload feature for URL status updates, resulting in a significant reduction in manual workload and supporting Business Initiatives.

EDUCATION

- **SRM Institute of Science and Technology**

Bachelor's in Computer Science and Engineering

2018 - 2022

Courses: Operating Systems, Data Structures and Algorithms, Object-Oriented Design, Programming and Database Management Systems.

- **St. Mary's Convent Sr. Sec. School**

Class 12th or equivalent

2006 - 2017

Courses: Mathematics, Computer Science, Physics, Chemistry, English.

PROJECTS

- **Dalal Street**

Real-Time Data Processing Platform

<https://dalalstreet.space>

- Developed a real-time stock processing platform using Python, Django REST, and React, supporting Business Initiatives and Operations.
- Built WebSocket consumer to stream real-time stock using Django Channels and AsyncIO, demonstrating expertise in New Technologies and Protocols.
- Designed a React frontend that sends requests to the server using web sockets over REST API.
- Deployed Docker image on AWS with EC2 instance, Load Balancer, Route 53, and Cloudfront, showcasing Containerization and Automation Tools.

- **Projects**

Generative Adversarial Network & React.js

<https://praful-vats.github.io/projects/>

- Developed Generative Adversarial Network mini applications using GAN models and APIs, showcasing expertise in machine learning and Managing skills.
- Integrated reciprocal web applications for visual and physical interaction using ML5.js and P5.js, demonstrating Innovation and Collaboration.
- Built upon React.js with responsive UI/UX and high-quality markup using HTML, CSS, and JavaScript, supporting Technology Initiatives and Business Goals.