

Praful Vats

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SUMMARY

Backend-focused full-stack developer with 2+ years of experience building and scaling robust applications using Python, Django, and AWS. Expertise in developing and optimizing RESTful APIs, managing databases, and deploying containerized services with Docker. Skilled at collaborating across teams to deliver scalable, high-performing solutions.

SKILLS

Python | Django | React.js | Django Rest Framework (DRF) | JavaScript | TypeScript | C++ | Redux | REST APIs | SQL | NoSQL | MySQL | MongoDB | Postgres | Redis | Kubernetes | AWS (EC2, RDS, S3, Lambda) | Git | Docker | Nginx | Microservices | Distributed Systems | Unit Testing | Frontend | Backend | Full-Stack

EXPERIENCE

- **My Next Film**
Backend Developer *Dec 2023 – Sep 2024*
 - Developed and optimized REST APIs using Django DRF for fast, secure data exchange.
 - Managed cloud infrastructure on AWS EC2, RDS, S3, ensuring high availability and zero downtime.
 - Streamlined deployment with Docker containers and improved system performance through efficient server management.
 - Optimized MongoDB and PostgreSQL queries, reducing response times by 20%.
- **Perfect Software**
Software Engineer *Aug 2022 – Dec 2023*
 - Enhanced API efficiency, reducing load times and improving overall system scalability.
 - Worked closely with product and frontend teams to deliver new features, ensuring seamless integration.
 - Deployed services on AWS using Docker and CI/CD, supporting business automation and reducing manual processes.
- **Acenet**
Junior Software Developer *Nov 2021 – Aug 2022*
 - Developed a recruitment system (ATS) using Django and MySQL to automate hiring processes.
 - Enhanced query performance, reducing response times by 15%.
 - Collaborated with cross-functional teams to build scalable backend solutions and ensure secure data management.

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://dalal-street.online/>*
 - Built a real-time stock processing platform with Django Channels, streaming live market data using AsyncIO.
 - Deployed on AWS EC2, Route 53, and CloudFront, ensuring 99.9% uptime and low-latency responses.
 - Implemented load balancing and caching strategies to handle high traffic efficiently during peak hours.
- **Projects**
Generative Adversarial Network & React.js *<https://praful-vats.github.io/projects/>*
 - Created interactive GAN-based apps to demonstrate core ML concepts, integrating visuals with responsive UIs.
 - Leveraged APIs for smooth frontend-backend communication and dynamic model training interactions.
 - Deployed Dockerized versions of the applications for seamless deployment across multiple environments.