

# Praful Vats

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## SUMMARY

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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

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Python | Django | React.js | JavaScript | TypeScript | C++ | Redux | Flask | REST API | SQL | NoSQL | Postgres | Redis | Kubernetes | AWS | Git | GitHub | Linux | UNIX | Docker | Microservices | Distributed Systems | Unit Testing | Frontend | Backend | Full-Stack

## EXPERIENCE

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- **My Next Film**  
*Backend Developer* *Dec 2023 – Sep 2024*
  - 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* *Aug 2022 – Dec 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* *Nov 2021 – Aug 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.

## EDUCATION

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- **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

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- **Dalal Street**  
*Real-Time Data Processing Platform* *<http://dalal-street.online/>*
  - 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.