VATSAL GUPTA

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| **P**ython **D**evelopment | **Q**uant **D**evelopment |

🧠 Areas of Expertise

Project Execution

Python Development

Quant Development

Risk Management & Analytics

Client & Stakeholder Engagement

Architectural Structure & Design

Agile Methodologies

Process Improvement

Cross-functional Coordination

Training & Knowledge Sharing

Team Management & Leadership

⚙ Soft Skills

👥 Analytical	👥 Collaborator
🧍 Attention to Detail	👥 Decision Maker
🧠 Critical Thinker	📋 Planner

🧠 Profile Snapshot

○ Performance-driven professional with **nearly 5 years** of rich & extensive experience in **Python Development**, with a strong track record of delivering scalable APIs and architecting data-driven solutions

○ Currently employed as a **Python Developer at Ciena**, engaged in designing and implementing highly efficient and maintainable codebases, following best practices and architectural principles

○ **SDLC Specialist** with excellence in gathering and understanding requirements of clients & other stakeholders (at strategic and tactical levels), followed by translation into functional specifications as well as provisioning of suitable solutions

○ **Fast-forward Project Acumen** with exposure in swiftly completing projects with competent cross-functional skills and ensuring on time deliverables within pre-set parameters; **rolled out Agile Practices in teams**

○ Proficient in a wide range of technical skills, including **Django, DRF, SQL, Prometheus, and Grafana,** enabling the delivery of end-to-end applications tailored to client requirements

○ Successfully **led a pilot project automating application** and server monitoring, resulting in reduced efforts and cost savings for the client team

○ Passionate about **Quant Development**, with showcasing the ability to manage projects independently and lead teams when required

🎓 Education

○ **B. Tech. in Mechanical Engineering**, Institute of Technology & Management, Gwalior, 2018

👥⚙ Technical Skills

○ Languages: Python, SQL, Java
○ Framework: Django, DRF, Flask, Spring Boot
○ Data Science: Pandas, PySpark
○ Databases: PostgreSQL, S3 Bucket
○ Cloud: AWS
○ Deployment: Docker, Jenkin
○ Monitoring Tool: Prometheus, Grafana, Control-M

💼 Employment Details

Since May'22 as Python Developer at Ciena, Gurugram

Project: Blue Planet
Role:
○ Instituting & executing project activities and overcoming complex business challenges using experience-backed judgment, strong work ethics and irreproachable integrity
○ Collaborating with Stakeholders while keeping them informed of progress and issues in order to manage expectations on all requirements and deliverables
○ Interfacing with clients for business requirement gathering, conducting system analysis and finalizing technical / functional specifications
○ Designing and implementing highly efficient and maintainable codebases, adhering to best practices and architectural principles, while leading the end-to-end development of Python-based products.

- Utilizing containerization with Docker to enhance deployment and scalability, ensuring seamless integration with other components and services, and introducing new features and user interfaces to enhance the overall user experience.
- Conducting unit test cases to ensure thorough testing, identification, and resolution of bugs, and utilizing Python, Java, Docker, DRF, and Bitbucket for development tasks

Highlights:
- Showcased expertise in building robust and scalable solutions, leading to increased client satisfaction and successful project completion
- Streamlined the development process by implementing containerization with Docker, resulting in improved deployment and scalability

Aug'21 to May'22 as Full Stack Developer at Chubb Limited, Bengaluru

Project: Risk Management and Analytics
Highlights:
- Migrated React and Spring Boot visualization tool to React and DRF, improving performance and maintainability, and collaborating closely with a team of 4-5 members, working with solution architects and platform designers from the client team
- Actively participated in code reviews, providing valuable feedback and suggestions for improvements, and collaborating with client Business Analyst to implement system requirements effectively
- Fostered a collaborative environment, leading to increased team efficiency and successful project execution

Jan'19 to Jul'21 as Associate Software Engineer at Legato Health Care, Bengaluru

Project: Commercial Product Support (CPS)
Highlights:
- Developed an end-to-end automation tool for generating reports and delivering them to business users, leveraging SQL queries to extract relevant data from databases, and addressing change requests for the reporting database architecture
- Collaborated with teams to identify needs and goals, developing web application backend components accordingly, and utilizing Python, DRF, and Postgres

Freelance

Aug'18 to Dec'18 as Freelancer, Python Developer

Project 1: Travel Toggle
Highlights:
- Designed and implemented API-driven architecture for web applications, delivery systems, sell systems, and B2B systems, conducted research to identify best practices for efficient and reusable back-end development, and worked closely with clients to implement systems according to their requirements
- Conducted unit test cases for testing and identifying bugs, and implementing CI/CD pipeline for continuous integration and deployment of applications

Project 2: Forex Trading Bot
Highlights:
- Developed an end-to-end automation tool for analysing and trading Forex Currency Pair using Python, Pandas, Django, Meta Trader and Quant Connect
- Conducted back testing on Forex Currency Pair using Forex Trading Board
- Engaged in conducting unit test cases for testing and identifying bugs, and implementing CI/CD pipeline for continuous integration and deployment of applications

Personal Details

Date of Birth: May 3, 1996
Languages Known: English, Hindi
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