Rajan Singh

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SOFTWARE DEVELOPER

Python Developer with around **4 years** of experience in designing and developing scalable solutions using Python. Proficient in full-stack development, automation, and machine learning, with a strong background in software optimization and data-driven decision-making. Passionate about creating efficient and high-performance applications.

KEY COMPETENCIES

Technical Skills

- **Programming Languages**: Python (2.x/3.x)
- **Web Frameworks**: Django, Pandas, NumPy
- **UI/UX**: PyQt5, Pyside5, React
- **Databases**: SQL, PostgreSQL
- **Tools & Platforms**: Github, Linux, Jenkins, Jira, Confluence
- **Testing & Automation**: PyTest, UnitTest

Interpersonal skills

- Proactive
- Good Communication
- Adaptability

PROFESSIONAL EXPERIENCE

Technicolor | Software Developer | Sept 2021 - Present

- Leveraged Python libraries like Pandas and NumPy to perform efficient data cleaning, analysis, and transformation, turning complex datasets into actionable business insights.
- Developed a tagging UI with full backend support, reducing manual effort by **50%**.
- Contributed to the modular template team to create a shot-group-based rendering model for Nuke (Foundry).
- Optimized API queries using **Python Global Cache**, improving response time by **30%**.
- Created custom Nuke nodes, improving asset management and automation.
- Developed **advanced rendering** features like multi-layer & sequence rendering, wiring, dependency-based rendering, and smart URL pasting, boosting automation and workflow efficiency.
- Participated in **software support** team to manage tickets at developer level.
- Led performance optimization efforts, reducing load times by **30%** across multiple software platforms.
- Developed a pipeline for automating and training **machine learning** tools inside cattery.
- Designed a streamlined **metadata storage architecture** for the a project, ensuring assets have optimized metadata for use across various workflow stages while keeping data lightweight and efficient.

Cognizant | Intern | Jan 2021 - May 2021

- Worked on Data visualization using **Power BI** and **Tableau**.

EDUCATION & CERTIFICATIONS

Bachelor of Engineering
RCOEM (NAGPUR UNIVERSITY)

The joy of computing using **python** Certification
IIT ROPAR

Introduction to **data science** using python
Coursera

Machine learning with tensor flow
Coursera

EXTRACURRICULAR ACTIVITIES

Fitness

Music

Treking