

Vijay Raghuwanshi

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SDE with 3 years of experience specializing in API design, third-party database integrations, and end-to-end software development. Proficient in Agile methodologies and delivering scalable solutions, including a cybersecurity platform deployed in air-gapped environments. Improved data collection precision by 80% and reduced processing time by 50% through innovative engineering.

Experience

○ ClearTrail Technologies Pvt Ltd

Indore, India

- Software Engineer

July 2024 – Present

- Spearheaded the development of **SnapShot-K.1**, a cybersecurity product, enhancing backend services for seamless integration and optimizing PostgreSQL queries to reduce lookup times from **15-22 seconds to under 1 second** for a 32-million-row table.
- Automated CI/CD pipelines using Jenkins and Docker, improving deployment speed by **40%** and developing scripts for automated software deployment, database migrations, and infrastructure as code (IaC).
- Ensured high code quality by achieving zero defects in static code analysis, adhering to coding standards, and minimizing technical debt for maintainable and reliable software solutions.
- Developed and maintained comprehensive documentation using Swagger UI for APIs and Markdown for technical references, ensuring clarity, consistency, and ease of collaboration.
- Maintained high standards for documentation by leveraging Swagger UI for API documentation and using Markdown for technical documentation, ensuring clear, consistent, and up-to-date references.

- Associate Software Engineer

May 2022 – June 2024

- Developed multiple OSINT REST APIs leveraging proxies, web scraping techniques, and headless browsers. Implemented multi-session handling to bypass rate limits and ensure efficient data extraction and integration.
- Demonstrated expertise in designing and deploying scalable microservices, optimizing web scraping workflows, managing proxy-based solutions, and ensuring high-performance concurrency processing using Docker containerization.

Technical Skills

Languages: Python, Java, JavaScript, SQL, HTML, CSS, Prompt Engineering

Frameworks: FastAPI, Flask, Django, VueJS, Pydantic, Spring Boot, Quarks

Developer Tools: Docker, Jenkins, NodeJS, Git, Postman, JIRA, Vagrant, Virtualbox, Linux, Bash Script, Script Automation

Cloud & Databases: EC2, GCE, Serverless Computing, Lambda Function, PostgreSQL, Elasticsearch, ChromaDB, RabbitMQ

AI/ML: LLMs, Gradio, Ollama, Agent, RAG, LangChain, Jupyter Notebook, Pandas, Numpy, Quantization

Other Skills: Web Scraping, MongoDB, Huggingface Transformers

Education

○ Bachelor of Technology (Electrical & Electronics Engg)

Aug 2018 - Jul 2021

Millennium Institute of Technology & Science, Bhopal

7.59 CGPA

Certifications & Awards

- Ideathon 2024 Award - 2nd Prize Worth 30,000 INR

Recognized for designing an ultra-portable network traffic monitoring solution, **LightSabre on Laptop**, showcasing expertise in cybersecurity.

- STAR of the Month (March 2023 & September 2022):

Awarded for demonstrating ownership in implementing a complex Controller service in Light-Sabre (March) and for dedication in supporting **SnapChat** and **FlightRadar** integrations (September).

- STAR of the Quarter (October - December 2022):

Recognized for key contributions to WebTrail onboarding and feature development.