Abhishek Adhikari

Site Reliability Engineer 2

✉ hi@xpertsre.rocks   📞 +91 9800778510

📍 Bengaluru, India   🔗 www.xpertsre.rocks

in linkedin.com/in/abhiayush23   🐙 github.com/sith-lord-vader

🪪 PROFILE

Site Reliability Engineer (SRE) at Media.net ↗ with over 3 years of experience specializing in high-availability Big Data infrastructure (**Hadoop**, **Spark**, **Elasticsearch**, **Airflow**, **MySQL/PostgreSQL**) across On-Premise and GCP. Expertise is grounded in a strong command of **Linux**, **Networking**, and **Hardware**. Dedicated contributor to the **Nixpkgs** project, driven by a commitment to robust, reproducible systems.

💼 PROFESSIONAL EXPERIENCE

06/2025 – Present
Bengaluru, India

Site Reliability Engineer 2, *Media.net* ↗
- **Primary Point of Contact (PoC)** for critical distributed systems, specifically owning the architecture and operational excellence of **Apache Airflow**, **Elasticsearch**, and the **Centralized Monitoring and LoadBalancing Stack**.
- Elevated role to act as a **key infrastructure consultant**, directly engaging with cross-functional development, data science, and product teams to gather requirements, propose alternative solutions, and architect new infrastructure on On-Premise and GCP.
- Demonstrated an increase in ownership from cluster-specific tasks to **platform-level responsibility**, focusing on long-term capacity planning, cost optimization, reliability (SLOs/SLIs), and security posture for multiple Big Data platforms.
- Proactively identified and addressed infrastructure bottlenecks, contributing to significant **performance improvements** and **cost reduction** across the Big Data ecosystem through configuration tuning and efficient resource management.

07/2022 – 06/2025
Bengaluru, India

Site Reliability Engineer, *Media.net* ↗
- Actively managed, monitored, and scaled core Big Data infrastructure, gaining deep operational expertise in **Hadoop (HDFS/Yarn/HBase)**, **Elasticsearch**, **Apache Airflow**, and the centralized monitoring stack through hands-on cluster operation and maintenance.
- Developed and implemented **reproducible machine configurations** across the datacenter using the **Nix package manager**, streamlining provisioning and ensuring state consistency for critical services.

- Contributed directly to the upstream **Nixpkgs** repository, enhancing the community-maintained collection of packages and modules used for internal infrastructure deployments.
- Played a key role in a major **On-Premise datacenter migration**, where I designed and wrote **modular, robust Nix deployment codes** for Airflow, Elasticsearch, Monitoring components, and HAProxy, which significantly accelerated the deployment pipeline and ensured a seamless, low-risk cutover.
- Executed routine database operations (backup, restoration, replication setup) for production **MySQL** and **PostgreSQL** clusters, maintaining high availability and data integrity.

SKILLS

Linux / Networking / Hardware	● ● ● ● ●		Hadoop (HDFS/Yarn/HBase)	● ● ● ● ○
Apache Spark / Airflow	● ● ● ● ○		MySQL / PostgreSQL	● ● ● ○ ○
Google Cloud Platform (GCP)	● ● ● ○ ○		Python / Bash Scripting	● ● ● ● ○
Elasticsearch / JupyterHub	● ● ● ● ○		Kubernetes	● ● ● ○ ○

EDUCATION

07/2018 – 06/2022
Kalyani, India

B. Tech in Computer Science and Engineering,
Kalyani Government Engineering College
CGPA: 9.02/10

PROJECTS

Nixpkgs Contribution, *pymssql* ⍐
Submitted and maintained updates for the **pymssql** package within the official **Nixpkgs** repository, ensuring stable and reproducible Python library builds for SQL Server integration across the Nix ecosystem. This work facilitates reliable dependency management for critical deployment environments.

INTERESTS

Tech Blog Writing — https://blog.xpertsre.rocks/ ⍐

Tech Video Creator — Xpert Dev | Abhishek Adhikari - YouTube ⍐