

ARCHIT KUMAR VERMA

Software Engineer

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Summary

Software Engineer with 1.5+ years of experience in backend development, data engineering, and BI solutions. Proficient in Java, Spring Boot, DSA, and relational databases. Skilled in PySpark, AWS, and Databricks for data processing and analytics, and experienced with Tableau, Power BI, and Qlik Sense for business intelligence. Strong background in CI/CD pipelines, Jenkins, Git, and version control, with a passion for building scalable, data-driven systems that deliver real business impact.

Technical Skills

- Programming: Java, Python, C/C++
- Cloud & Data Engineering: AWS, Azure Synapse, Azure Data Factory, Azure Event Hubs, Databricks, PySpark
- Databases: SQL Server, Oracle, Amazon Redshift, Database Design & Optimization
- Streaming & Telemetry: Telemetry pipelines, Logging & Diagnostics, Kafka, Event-driven Systems
- BI & Analytics: Power BI, Tableau, Qlik Sense
- DevOps & Automation: Jenkins, Git (GitHub, GitLab), Selenium, CI/CD, Shell Scripting
- APIs: RESTful APIs, Postman

Experience

Programmer Analyst

Cognizant | 2023 – Present | Kolkata

A multinational technology company that provides IT services and consulting

- Developed and maintained BI tool automation solutions using Java, improving system efficiency and reducing manual efforts
- Designed and optimized relational databases in SQL Server, Oracle, and Amazon Redshift to enhance BI reporting performance
- Built and integrated REST APIs to automate BI file conversion and validation processes
- Automated WAR file creation, deployment, and testing using Jenkins and Selenium, ensuring seamless CI/CD workflows

Key Projects

- Telemetry Pipeline for BI Conversion | Java, Spring Boot, Jenkins, Power BI
Built an end-to-end telemetry pipeline to convert BI tool files into structured XML and integrate with Power BI dashboards for analytics and diagnostics.
- Automated Testing & Validation Framework | Java, Selenium, REST API
Developed a framework to validate BI file conversions with automated telemetry logging of conversion results and diagnostic reports.
- Database Development for Analytics | SQL Server, Oracle, Redshift
Designed relational databases optimized for high-volume analytical queries and integrated with BI tools.

Education

B.Tech in Electrical and Electronics Engineering

Oriental Institute of Science & Technology | 2019 – 2023

Certifications

- Java Programming (Udemy)
- SQL & Database Certification
- Google GenAI Leader
- SQL Intermediate (HackerRank)
- Tableau & Power BI Certification
- Introduction to Cybersecurity