

Purva Javale

United States | +1(502) 650-1425 | purvajavale@gmail.com | LinkedIn | Portfolio | GitHub

PROFESSIONAL SUMMARY

Big Data Engineer with 7+ years of experience in building scalable data solutions for financial services. Skilled in Hadoop, Spark, and AWS. Proven track record of enhancing regulatory reporting processes, optimizing performance, and automating workflows. Known for leading and working with cross-functional teams, business units, and delivering business solutions.

EDUCATION

Savitribai Phule Pune University

Bachelor of Engineering in Information Technology

May 2014

TECHNICAL SKILLS

Scripting Languages: Java, SQL, .NET Core, Python

Framework: MapReduce, Hive, HBase, Spark, Kafka, Airflow, Windows Presentation Foundation

File formats: TXT, CSV, XML, JSON, AVRO, ORC, PARQUET

Cloud services and Database: AWS - S3, EMR, EC2, MySQL, SQL Server

Tools: Power BI Desktop, Team Foundation Version Control, GitHub, Eclipse, Visual Studio Code, PyCharm, Anaconda, Microsoft Project Management, Jira, Microsoft Office

Additional: Web Services-API, Performance Tuning, Agile Methodologies

Certifications: Master's of Big Data, Agile Project Management, Java Performance Tuning, Excel for Data Analytics, AWS Certified Cloud Practitioner, IBM Mainframe, IBM Watson, Generative AI

PROFESSIONAL EXPERIENCE

Hexanika

Pune, IN

Big Data Engineer

February 2017 – January 2022

- Led the development of core modules in Hexanika's Smart Join platform, architecting scalable data ingestion, transformation, and rule prediction workflows using Apache Spark, Hadoop, and AWS, reducing manual effort by over 60% and ensuring full data lineage for regulatory compliance.
- Designed and implemented data cleaning and mapping frameworks using Hadoop and Spark, streamlining data transformation, validation, and enrichment processes—boosting regulatory reporting speed and accuracy by 40%.
- Developed and optimized end-to-end big data pipelines, automating workflows and job scheduling to achieve 100% process automation and reduce data processing time by 60% through advanced performance tuning.
- Installed, configured, and managed multi-node Hadoop clusters and AWS services (S3, EMR, EC2), and led Proofs of Technology to evaluate the scalability and impact of emerging Big Data capabilities.
- Executed a Spark-based Proof of Technology for Smart Join on IBM z/OS, integrating enterprise tech like WebSphere and IBM Studio to automate data flows from mainframe systems to analytics layers.
- Collaborated with machine learning teams to integrate generative models, contributing to data-driven insights and enabling cascading rule flows for industry-ready regulatory reporting models (FRY9C, Call report-FFIEC, HMDA-LAR, AML-SAR).
- Contributed to data lineage, enabling rule-based regulatory reporting with 100% transparency.
- Developed Hive-based data visualization solutions, SOAP APIs, and internal tools to enhance usability, reporting, and engineering efficiency.
- Led and mentored a team of data engineers, driving development efficiency while creating architecture diagrams, technical documentation, and hyper-care handoff guides to ensure smooth transitions and production stability.
- Supported Agile delivery as a technical contributor and Scrum coordinator, managing sprint boards, epics, and stories using JIRA and Microsoft Project Planner to improve team velocity and project transparency.

AWARDS

- Awarded as Star Performer of the Year 2k18 for Delivering Excellence in Projects at Hexanika
- Awarded as Well-Done Achiever for successfully developing and presenting Proof of Technology for Spark on IBM z/OS.
- Secured second place and received an award for presenting innovative and impactful Fintech solutions hackathon conducted at Hexanika
- Received award and recognition for proactively taking project initiative and ownership at Hexanika in 2k20.

VOLUNTEERING EXPERIENCE

Maharashtra Institute of Technology

Pune, IN

Big Data Speaker

February 2018 - March 2018

- Facilitated as guest lecturer on Big Data concepts and real-world applications architecture for graduate students, which assisted them in understanding current industry trends and streamlining their career path.

Hexanika

Pune, IN

Offsite Manager

February 2018 - March 2018

- Planned and managed technical forums and team activities for the annual offsite program, ensuring cross-team engagement and event execution were successful.