Pune, India
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Amar Prakash Pandey

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Experience

Software Consultant	Sahaj.ai	March 2021 − Present

Pune, India
- Built ETL pipelines using Spark and PySpark, processing large volumes of data efficiently and ensuring timely insights.
- Optimized Spark jobs by 50% through shuffle partition tuning and resource management, reducing processing time significantly.
- Reduced S3 storage costs by 60% by implementing data lifecycle policies and optimizing file formats.
- Automated data workflows with Apache Airflow, streamlining data processing and ensuring continuous availability.
- Leveraged Hadoop for distributed data processing, enabling seamless data integration and high-throughput performance.

System Engineer	Tata Consultancy Services	September 2017 − October 2019

Chennai, India
- Developed APIs for a platform to manage and set pricing for Cummins products, significantly reducing the pricing update process from one day to near real-time, ensuring faster reflections in the consumer-facing system.
- Configured CI/CD pipelines with Jenkins and GitLab to accelerate deployment and enhance process efficiency.

Software Developer Intern	Google Summer of Code	May 2017 − August 2017

Remote
- Enhanced the user interface by replacing a comma-separated text box with a Handsontable JS spreadsheet interface for data entry. This change allowed users to update data directly, reducing errors and speeding up the process, eliminating the need for external CSV editing.
- Developed and executed automated software test scripts to detect and address software issues.

Skills

- Languages: Java, Python, Scala, SQL
- Databases: Postgress, MySQL, PostgreSQL
- Tools: Apache Airflow, Apache Spark, PySpark, Spring Boot, Docker, Terraform, Gitlab CI
- Cloud Technologies: AWS - S3, EMR, ECS, ECR, Lambda, RDS, GCP - BigQuery
- Others: Big Data Technologies - Hadoop, Hive, HDFS, TDD, SOLID, Distributed System, Design Principles, Data Modeling, Data Pipeline Design, REST APIs

Achievements

- Spot-Optimizer: Developed an open-source tool to optimize AWS Spot Instance usage, reducing cloud costs through automated instance management and dynamic scaling.
- Received multiple commendations from team members for assisting with projects, building useful tools, and consistently going above and beyond at Sahaj.ai
- Completed Google Summer of Code in 2017 by working on Teammates project by the National University of Singapore.