VIMAL CHAUDHARI

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EXPERTISE

- Proficient in designing and developing fault-tolerant and scalable systems.
- Adept in designing data structures and algorithms.
- Proficient in building and architecting ingestion and analytics big data platforms and pipelines.
- Experience in building data lakes, lake houses and their ecosystem for efficient data management.
- Adaptability to new tools and technologies, ensuring timely adoption for enhanced solutions.
- Have a product-focused mindset to cultivate ideas into fully realized products.
- Adept at mentoring team members, facilitating their professional growth and contributing to overall engineering excellence.
- Experience in contributing to open source projects.

SKILLS

- Languages: Java (Proficiency - Good), Python (Proficiency - Intermediate), Scala (Proficiency - Intermediate)
- BigData: Spark, Kafka, Cassandra, Hive, Hbase, Hadoop, Kubernetes, Airflow, MinIO, Alluxio, Apache Iceberg, Databricks Delta.
- Backend: Spring Boot, Hibernate, REST, Docker, Vault, Consul
- Frontend: Angular 1, Javascript
- Public Cloud: GCP (Cloud Storage, Composer, Dataproc, Bigquery, BQML, AutoML), AWS (S3, EC2, Lambda, Redshift, API Gateway, IAM)

EXPERIENCE

Rakuten, India | Staff Engineer & Individual Contributor | January 2021 - Present

- Significantly contributed to the design and development of a data ingestion service platform, enabling seamless support for over 2000+ data pipelines processing terabytes of data on a daily basis.
- Engineered a data replication service, facilitating seamless terabytes of data delivery among heterogeneous distributed storages (GCS, Hadoop, Minio, Bigquery).
- Mentored and guided junior team members, fostering skill development and ensuring consistent technical excellence.
- Facilitated talent acquisition and team establishment by actively participating in the hiring process and contributing to the setup of high-performing teams.

Zebra Technologies, India | Tech Lead & Individual Contributor | April 2019 - December 2020

- Played a key role in the design and development of a data analytics platform capable of analyzing petabytes of IoT data across multiple regions to ensure compliance with GDPR regulations.
- Operationalized a ML algorithm for battery prediction, enabling the projection of lifespan for millions of mobile batteries.
- Automated data platform monitoring through the implementation of data observability practices.
- Provided technical guidance and mentorship to junior team members, resulting in improved team performance.

Accion Labs, India | Tech Lead & Individual Contributor | November 2013 - April 2019
- Reduced the data pipeline processing time from 16 to 8 hours by remodeling the data and optimizing the pipeline processing code.
- Led a team in designing and developing Informatica plugins for Open Data platform, Rackspace.
- Enhanced consistency of a distributed email archive system by developing a plugin to reconcile millions of email data among replica nodes.

Safran, India | Full Stack Developer | December 2010 - November 2013
- Developed an A350 XWB cockpit simulator, assisting Airbus R&D in analyzing cockpit electronics components.
- Automated organization's sales process through web portal development and centralized database design.

Personal Projects
- Made contributions to open-source project Alluxio.
- Built facial expression recognition AI model using artificial neural networks, convolutional neural networks and TensorFlow framework.
- Exploring the idea of applying LLM to the operation side called OAGI.

ACHIEVEMENTS
- Got Rakuten top performer of the year award.
- Earned customer feedback of 9 out of 10 for A350 XWB cockpit simulator work, underscoring excellence in execution.

ACADEMIC
- Bachelor of Engineering in Information Technology (2005-2009) from Sardar Patel University, Gujarat, India.