Java Tech Lead | Sagar Shirwalkar

- Summary

Experience in:
- Building modern microservices on Java/kafka/gRPC/Docker/Kubernetes.
- Machine Learning, Analytics-driven consulting, Campaign management
- Designing SQL warehouses and ETL Pipelines
- The AWS Cloud Platform
- Agile methodology-based development process.

- Expertise

- Understanding client goals and expectations, suggesting analytics-backed measures to increase ROI and cut costs.
- Leading team members with cutting-edge software development practices and performance tools.
- Working closely with stakeholders, providing visual insights like dashboards to track progress and strategic metrics in real time.
- **Tools Used** -- Java8, Python, Jenkins, Kafka, Docker, Kubernetes, gRPC and others
- **Databases Used** -- PostgreSQL, AWS Redshift, MySQL, Cassandra

- Qualifications

B.E. (hons) BITS Goa

- Publications

S.Sagar, et. al., *Telemanipulation of an industrial robotic arm using gesture recognition with Microsoft Kinect at the* International Conference on Control, Automation, Robotics and Embedded systems, 2013 (IEEE Xplore ARN: 6733747)

Recent Engagements

KlearNow Corp (Senior Backend Engineer & Scrum Master)
(Java8, ,MySQL, Jenkins, Docker, Kubernetes, AWS S3)

- Successfully spearheaded KlearNow's Canadian Geographical Expansion Team, and brought the platform live on Canada, partnering with the government.
- Created a stack of several microservices for Canada within KlearNow's Choreography model using an Orchestrator Model for ease of debugging.
- Liaised with Canadian product managers, customers and Customs Brokers to design the platform and the UI.

TransOrg Analytics (Analytics Specialist)
(Python, ,Postgres, Jenkins, Docker, Talend, Oracle DB, PowerBI, RedHat Server, Windows Server)

- Part of an on-site analytics team embedded in the corporate office of a client - a major luxury hotel company with properties all over the world.
- In charge of all engineering and basic server management (RHEL,Windows Server) operations of the onsite team.
- Built the first data warehouse for the team, after the client's outsourced MDM project was delayed indefinitely. The warehouse is a collection of Star-Snowflake hybrids, optimized for performance where possible without significantly compromising the limited storage available.
- Created a Customer Lifetime Value model for all repeat guests by implementing a Buy 'Til you Die - BG/NBD model.
- Built an ML model for predicting the repeat propensity of first-time guests, which form the bulk of the client's customer base.

ReportGarden (Data Scientist)
(Python, ,Redshift, Jenkins, Docker, Apache Airflow, Tornado, Flask, Zepplin)

- Created and deployed an NLP platform for analyzing messages between our B2B customers and their clients on-the-fly, and inferring intents and entities involved in these conversations.
- Built and deployed a statistical framework for identifying customers at risk of churning.
- Made dashboards for tracking KPIs for several internal teams and identified process bottlenecks and opportunities for improving productivity.