

SOONAM KALYAN PANDA

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Hong Kong

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EDUCATION

Masters, BigData Technology Hong Kong University of Science Technology, Hong Kong Aug 2018–Aug 2020

B.Tech, Electronics and Telecommunication. Biju Patnaik University of Technology, India Aug 2004–May 2008

EXPERIENCE

TrueLayer, Hong Kong **Senior Data Engineer II** **Jan 2020 – Present**

- Designing, developing, implementing & maintaining analytics platform and data pipelines on data lake and lake house.
- **Tools:** Python, Spark(EMR), Hudi, ELK, Airflow, AWS bigdata stack, Java, C#, Postgre, Kubernetes, Prometheus etc.

CLSA, Hong Kong **Senior Software(Data) Engineer** **July 2019 – Jan 2020**

- Built complex trading analytics reports and migrated old ANSI SQL to Spark SQL for a modern data analytics platform built for reporting
- **Tool:** Spark SQL, Postgre, Oracle, Java, Cassandra

HSBC Technology, Guangzhou **Consulting Specialist** **Aug 2016 – June 2019**

- Designed & developed RESTful micro services for different API requirements using spring boot and deployed them in Cloud Foundry. Wrote code for batch processing jobs using Apache Beam. Built end to end CI/CD pipeline for services. Also built UI screens in jQuery for different business requirements.
- **Tools:** Java, Spark, Spring Boot, Apache Spark, Spring Batch, Apache Beam, Oracle, Dell ECS(cloud storage) and Amazon S3, Python, Jenkins, Ansible, Cloud Foundry

Oracle Financial, Mumbai/Shanghai **Principal Consultant** **Sept 2008 – June 2016**

- Worked in end-to-end project development from requirement design to production release and support of SOAP-based micro services, UI screens built in javascript for oracle famous retail banking product Flexcube.
- **Tools:** Java, Oracle, Javascript, ASP, IIS, Weblogic etc

TECHNICAL SKILLS

- **Languages:** Python, SQL, C#, Java, Javascript
- **Tools & DB:** IntelliJ, Jenkins, Postgre, Weblogic, Tomcat, Aurora, MongoDB, CircleCI, Git
- **Cloud & Containers:** AWS & GCP, Docker and Kubernetes
- **ML & BigData:** Spark, Beam, Flink, TF Kernels
- Other various tools and IDEs that helps in completing the job.

HONORS AND AWARDS

- **I-Appreciate**, Feb 2012, by OFSS RVP
- **President CUP**, 2012, Mark Hurd, Oracle CEO
- **Best team award**, 2016
- **Outstanding Contributor**- 3 times during 2014 - 2016

CERTIFICATIONS

- GCP Certificates on K8, modernizing Data Lakes and Data warehouse.
- Certified Kubernetes Application Developer(CKAD)
- Preparing for AWS Architect

Project Experience:

TrueLayer

- As the second data engineer in the team, I am fortunate and responsible to build many things from scratch like data lake, lake house, data dump jobs, different ELT pipelines, dashboards etc.
- 60~70% time of my each day is spent in technical work in designing, development and rest ~30% in talking to stakeholders, analysts, future architecture and tools brainstorming & POCs, hiring and sprint planning activities.
- Currently working in a POC to ingest real time data from RabbitMQ with Apache Spark Streaming and Hudi.
- Building various data pipelines to ingest data from business tools like hubspot, zendesk from different databases and various regulatory public informations.
- Other serves that I am working with are airflow jobs, EMR jobs for different ETL process in data lake to be used through Athena, Glue and Quicksight.
- Built and maintain billing application and integration with Netsuite for finance.
- Proactively improved EMR jobs' performance and reduced cost by 20%.
- Acted as single source of contact for different migration work.
- Managed the team and took part in extensive hiring to grow the team from 1 to 4 data engineers.
- Technologies: Python, AWS Bigdata stack(Quicksight, Athena, Glue, EMR, S3), Apache airflow, Apache Spark and Hudi, Postgre, Git with Gitops, Circle CI, Docker + Kubernetes, Kibana, Grafana, Prometheus.

CLSA

- Worked in the Front Office work bench team to migrate complex reports from the old reporting system to a newly built analytics platform on apache spark and Cassandra. Migrated over dozens of complex queries from oracle SQL to spark.
- Did application support and maintenance for different applications built on node.js, spring boot, angular and mongodb.

HSBC

- During Devops and cloud migration projects worked in different teams for migration of services into the cloud.
- As part of a team we developed a web service framework to be referred by different projects for moving monolithic applications to cloud using Spring Boot, Java, Spark and Pivotal Cloud Foundry.
- Did POC and implemented a batch processing framework to process files with very huge volume using Spring Batch, PCF, Spring Cloud Task, Object store(Dell ECS) & Apache Beam.
- Worked in different in-house projects like SSPIT, BOSS, Regulatory Reporting etc.

Oracle

- In 7 long years of tenure, I took part in different development and implementation projects.
- I was responsible for leading a small team for a retail banking implementation of a county bank in Shaoxing China.
- I was part of the team to take requirements, develop and implement web services for the retail banking clients across China.
- Took part in 2 performance benchmarking projects in IBM labs, Beijing.
- Worked with Pre-Sales for different retail banking POCs.
- Worked on 4 end-to-end implementations, 7 development and 3 POC projects of Oracle banking product Flexcube for different clients across(India, Ireland, Indonesia, Australia & China)
- Travelled across 7 provinces in China and worked with 8 Chinese banks.