SYAM DEVENDLA

Sr Data Engineer

Mobile No#: +44 7880335290

Email ID: syamdevendla@gmail.com

PROFILE SUMMARY

A well-accomplished certified data analyst with more than 15 years of experience in C, C++, **Scala**, Python, Data Structures, BI, Big-data technologies (**Hadoop, Spark, Hive, Spark SQL, Spark-Streaming, Kafka)** and **AWS**. Experience includes maintaining large clusters end to end, data processing and implementation of complex data pipelines, testing of enterprise, mobile application, and middleware component software and seeking a challenging role in your reputed organization where IT skills will be fully utilized.

- **AI Skills:** Streamlit, LangChain, OpenAI, HuggingFace, RAG, Speech to Text, Vector DB.
- **Developer of Own-ChatGPT** (More intelligent than GPT and could train personal and latest events search)

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- AWS Certified **Bigdata Analytics** - Specialty
- Confluent Certified Administrator for **Apache Kafka**
- Hacker Ranker: **Golden badge** holder for C++ programming and **5-star award** in **problem solving skills**.
- EICT, IIT Rookie: **Big Data Engineering with Hadoop and Spark**
- Nano Degree in cloud (AWS) Dev-Ops

Core Competences

- Hands-on experience of programming in **Scala, python, C** and **C++**.
- Developed Bigdata applications using **Scala**, Hadoop, Spark, Spark-SQL, Kafka and Spark Streaming.
- Hands-on experience of using data structures (List, Queue, Stack, Trees, Tuples, Hash map)
- Worked on deploying and managing application on AWS cloud.
- Hands-on experience of Bigdata modules debugging and fixing issues.
- Experience in developing/managing **Streamsets** data pipelines end to end.
- Worked on Big data technologies (Hadoop, Spark, Yarn Architecture, map-reduce, Chronos, Zookeeper, Spark-streaming, Kafka, RDD, Hive) and good hands on of multi-threaded programming.
- Git, GitHub, CI/CD pipelines, Jenkins, Docker, Kubernetes, Cloud Formation.
- Business knowledge of Equities, Price-action, Futures and Options. Strong technical and chart analysis skills.
- Experience of transitioning On-prem big data platforms to the Cloud

Corporate-Awards

- **Oracle-Star:** for breaking window hack (BI 11g – print issue for a user)
- **Samsung-Knight:** fixed 108 memory leaks and found a bug which has impacted complete Tizen OS (C++ null check issue)

TECHNICAL SKILLS

Languages: C, Scala, C++ (Data Structures, STL), Python, SQL (Spark, Kafka)
Cloud Technologies: Oracle cloud and AWS (IAM, S3, EC2, EBS, Cloud Watch, Cloud Trail, Route 53, Lambda, ELB, VPC, EMR, Athena, Cloud Front, EKS, Quick Sight)
Dev-Ops: Git, Git-hub, Git-Lab, Docker, Kubernetes, Streamsets, Elastic Search.
Big-Data Technologies: Hadoop, Spark, RDD, Kafka, Hive, Spark-Streaming, AKKA-Http.
Mobile Platforms: SHP, Bada, Android, Linux, WindowsMobile5.0, SLP and Tizen
Tools: Eclipse, VS2005, VS2010, KlocWork, SVN, git, Clear case, Perforce, Grafana, Control Center, IntelliJ

EDUCATION

- **Post Graduate Diploma in** Embedded Systems from CDAC Kochi in 2006
- **Bachelor of Technology in** Electronics and Communications from Nagarjuna University in 2005

WORK HISTORY

Monzo Bank, UK, Sr Data Engineer	**Dec-2021 to till date.**
Lloyds Bank, UK, Data Engineer	**Sep-2021 to Dec-2021**
Oracle Pvt Ltd, India, Data Analytics Team	**Jan-2014 to Aug-2021**
Samsung R&D Operations, India, Multimedia Team	**Oct-2008 to Jan-2014**

Monzo Bank:
Role: Sr Data Engineer
Environment: Streamsets, Kafka, HDFS, Spark, Spark-SQL, Kafka Connect, Hive, Git-ops, Grafana, Control Center, AWS, Loki, Kafka Streaming, Data Collectors, Transformers, Docker.
Responsibilities:

Design data pipelines and maintain end to end.
Hermes Regulatory data processing
Implement and debug spark applications (daily transactions, EASRaw jobs)
Kafka infra issues along with producer/consumer configurations.
Merge/access request approvals, CI/CD pipeline monitoring.

Lloyds Bank:
Role: Data Engineer
Environment: Scala, Spark, Spark-Streaming, Spark-SQL, HDFS, Hadoop, Hive
Responsibilities:

IFRS17 regulatory guidelines implementation.
Implemented and analyzed Insurance Contracts data.
Implemented CSM calculation and cashflow generations.
Data pipelines to prepare data for Measurement models.
Involved in complete testing process.

Oracle Pvt Ltd:
Role: Data Engineer
Environment: Hadoop, map-reduce, HDFS, Chronos, C++, Java, Scala, Zookeeper, (OCI) Oracle cloud Infrastructure, Jira, Confluence, Eclipse Glassfish, Jetty, OHS, Elastic Search, Kibana, SQL
Responsibilities:

Worked on migrating Hadoop cluster from on premise to Oracle cloud.
Extensively involved in debugging Resource manager, Node Manager, Data node and Namenode process.
Developed end to end Apache Hadoop cluster from scratch.
Implemented spark applications to Process the thirdeye data.
Daily monitoring of thirdeye (collector/publisher/ISL) logs to analyze overall stability.
OBIEE - Responsible for fix/enhance Ibot (Delivers/Agent/Schedulers) issues in the product.
OBIEE - Developed a security feature in downloads module to protect the system from DOS attack.

Samsung R&D:
Role: Sr Software Engineer
Environment: C, C++, VC++, MFC, Data Structures, Visual Studio, Eclipse, SLP, Bada, Android
Responsibilities:

Designed, developed, and tested software applications meeting deadlines and budgets.
Involved in development of audio and video engines using C++.
Written test cases for the developed modules and involved in all phases of testing.
Actively involved in implementing multimedia applications.
Implemented Hash Table logic for Tizen platform using C++.

Data Insights:
Role: AI Engineer
Environment: Python, Streamlit. LangChain, OpenAI, HuggingFace, Speech to Text, Vector DB
Responsibilities:

Design AI application from Scratch (Own-ChatGPT).
Streamlit Application design.
Implemented use case to upload user files and process.
Implemented Speech to text module.
Implemented LangChain Agents used Hugging face free models.