

# AHMED ALI MOHAMED SOLIMAN

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**SUMMARY** — Dedicated professional eager to contribute to a prestigious organization, where I can leverage and enhance my diverse skill set, while gaining valuable experience and advancing my career in a dynamic and growth-oriented environment.

## TECHNICAL COMPETENCIES

<b>Languages</b> Python, R, SQL, Scala, Java	<b>DevOps/DataOps</b> Docker, Kubernetes, Kubera
<b>Big Data</b> Hadoop, Spark, Kafka	<b>Data Lakes</b> AWS S3, Azure Data Lake, HDFS
<b>Data WH</b> Redshift, BigQuery, Snowflake	<b>ETL Tools</b> Apache NiFi, Talend, Informatica, AWS Glue
<b>Database</b> MySQL, PostgreSQL, MongoDB, Cassandra	<b>Version Control</b> Git, GitHub, GitLab
<b>Processing</b> Pandas, Dask, Apache Beam	<b>Management</b> Jira, Confluence
<b>Visualization</b> Elasticsearch ELK, Power BI	<b>OSs</b> Linux, Windows, macOS
<b>ML</b> Scikit-Learn, TensorFlow, Keras, PyTorch	<b>Documentation</b> Markdown, Jupyter Notebooks, LaTeX
<b>DL</b> TensorFlow, Keras, PyTorch	<b>APIs</b> REST, GraphQL
<b>NLP</b> NLTK, SpaCy, Gensim, Transformers	<b>Security</b> OAuth, JWT, SSL/TLS, IAM
<b>Cloud</b> AWS, Azure	

## RECENT EXPERIENCE



### Avrioc Technologies - Senior Data Engineer

June 2023 - Present

- Led the design and implementation of data pipelines using Apache Kafka and AWS Kinesis, supporting real-time data ingestion, processing, and analysis.
- Developed and optimized data storage and retrieval processes using NoSQL databases like Cassandra and Redis, ensuring scalability, performance, and reliability for diverse data sets.
- Participated in building a scalable and resilient Chess platform, integrating AI services for real-time analytics and user interactions.
- Collaborated with data scientists to deploy machine learning models into production, ensuring seamless integration and performance.
- Automated data workflows and deployment processes using Jenkins and GitHub Actions, improving efficiency and reducing manual intervention.
- Monitored and analyzed system performance using Prometheus, Grafana, and ELK Stack, proactively addressing issues to ensure data integrity and availability.
- Contributed to the implementation and maintenance of AI services, leveraging TensorFlow and PyTorch for model development and deployment.
- Conducted extensive data analysis using Python and Pandas, providing actionable insights to support decision-making processes.
- Tasks included: Coding, testing, release, and documentation for deliverables.
- Technologies used: AWS, Apache Kafka, AWS Kinesis, Cassandra, Redis, Prometheus, Grafana, ELK Stack, Jenkins, GitHub Actions, TensorFlow, PyTorch, Python, Pandas, NodeJS, React.



### HCL Technologies - Senior Software Engineer

September 2019 - May 2023

- Contributed to the Great Voice-to-Meaning platform “Houndify” by supporting Arabic voice recognition and natural language processing (NLP) capabilities.
- Developed and maintained detailed domains for the platform, targeting specific queries and enhancing the platform’s understanding of Modern Standard Arabic.
- Integrated external data sources, improving the platform’s knowledge base and performance through effective data conditioning and management.
- Collaborated with data engineers and scientists to deploy NLP models, ensuring high accuracy and performance.
- Implemented CI/CD pipelines using Jenkins, streamlining deployment processes and maintaining system stability.
- Conducted data analysis and model evaluation, using Python and related tools to refine and optimize NLP models.
- Tasks included: Coding, testing, release, and documentation for deliverables.
- Technologies used: C, C++, Python, JavaScript, Lua, Bash scripting, Docker, Kubernetes, Jenkins, Python, NLP tools.



### Omdurman Ahlia University - Computer Engineer

March 2017 - May 2019

- Managed virtualized server environment for University data center.
- Configured monitoring tools to track system performance and troubleshoot issues proactively
- Participated in disaster recovery planning and drills to ensure business continuity in case of emergencies
- Configured and monitored network security measures, including firewalls and intrusion detection systems
- Streamlined patch management process, reducing vulnerabilities and downtime
- Maintained documentation for IT policies and procedures
- Coordinated responses to cybersecurity incidents with internal teams and external vendors

EDUCATION

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 **Omdurman Ahlia University**  
*BS.c of Computer Engineering*

2009 - May 2014

PROFESSIONAL CERTIFICATIONS

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2017: British  
Council IELTS



2022: AWS Certified  
Cloud Practitioner



2023: AWS Certified  
Solutions Architect



2020: Udacity C++  
Nanodegree



2021: DevOps with  
AWS



2020: Percipio –  
HCL Content