

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

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

New Kalakla Secondary School	2005 - May 2010
 Omdurman Ahlia University BS.c of Computer Engineering	2009 - May 2014

PROFESSIONAL CERTIFICATIONS

					
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