

AHMED ALI M. 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, Kubera
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

 **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