AHMED 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 Secondery School   **2005 - May 2010**

Omdurman Ahlia University   **2009 - May 2014**
BS.c of Computer Engineering

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 |