

# 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, Bash, JavaScript, C++	<b>Scripting</b>	Shell Scripting, PowerShell
<b>CI/CD</b>	Jenkins, GitHub Actions,	<b>Build Tools</b>	Maven, Gradle, Ant
<b>Cloud</b>	AWS, GCP, Azure	<b>Artifact Management</b>	Nexus, Artifactory
<b>IaC</b>	Terraform, CloudFormation, Pulumi	<b>Service Mesh</b>	Istio, Linkerd, Consul
<b>Configuration</b>	Ansible, Chef, Puppet, SaltStack	<b>Message Queueing</b>	RabbitMQ, Apache Kafka, AWS SQS
<b>Containerization</b>	Docker, Kubernetes, ECS, EKS, AKS	<b>Web Development</b>	Node.js, Express, Nginx, Apache
<b>Monitoring</b>	Prometheus, Grafana	<b>Frontend Frameworks</b>	React, Angular, Vue.js
<b>Logging</b>	Elastic Stack ELK	<b>Operating Systems</b>	Linux, Windows, macOS
<b>Version Control</b>	Git, GitHub, GitLab	<b>Management</b>	Jira, Confluence
<b>Networking</b>	TCP/IP, DNS, Load Balancers, VPN, VPC	<b>Documentation</b>	Markdown, LaTeX
<b>Security</b>	OAuth, JWT, SSL/TLS, IAM, SSO	<b>Secrets Management</b>	HashiCorp Vault, AWS Secrets Manager


## RECENT EXPERIENCE

 **Avrioc Technologies - Senior Software Engineer / DevOps Specialist** June 2023 - Present

- Participated in building a Chess Engine using multiple technologies, ensuring efficient integration with DevOps practices.
- Led the development of a scalable and resilient Chess platform using NodeJS/React, deployed on AWS using Kubernetes and Docker for containerization.
- Contributed to multiple AI services across the company, ensuring seamless integration and deployment.
- Implemented data pipelines: Designed and implemented data pipelines using between Cassandra and Elastic Search for monitoring and analytics.
- Optimized data storage and retrieval processes using NoSQL databases like Cassandra and Redis, ensuring scalability, performance, and reliability for handling diverse data sets across the Chess Engine and AI services infrastructure.
- Automated deployment processes with Jenkins and GitHub Actions, improving release management and reducing manual intervention.
- Enhanced system monitoring and alerting using Prometheus, and ELK Stack, improving system reliability and uptime.
- Tasks included: Coding, testing, release, and documentation for deliverables.
- Technologies used: AWS, Kubernetes, Docker, Terraform, Jenkins, GitHub Actions, Cassandra, Redis, Prometheus, Grafana, ELK Stack, NodeJS, React, C++, Python, JavaScript, and Bash scripting.

 **HCL Technologies - Senior Software Engineer** September 2019 - May 2023

- Contributed to the Great Voice-to-Meaning platform “Houndify” to support Arabic voice recognition and understanding, focusing on Natural Language Processing for Modern Standard Arabic.
- Built several detailed domains for the platform for car control and knowledge domains, targeting specific types of queries and conversations.
- Integrated and conditioned external data from different data providers to expand Houndify’s knowledge and performance.
- Developed and maintained multiple sub-modules for the Houndify platform, ensuring robust functionality and performance.
- Collaborated on the implementation of CI/CD pipelines using Jenkins to automate the deployment process.
- Conducted extensive testing, debugging, and optimization of the platform’s backend systems to enhance performance and reliability.
- Tasks included: Coding, testing, release, and documentation for deliverables.
- Technologies used: C, C++, Python, JavaScript, Lua, Bash scripting, Docker, Kubernetes, Jenkins.

 **Omdurman Ahlia University - Infrastructure Engineer** March 2017 - May 2019

- Participated in the design and implementation of a new university datacenter, including network infrastructure, server deployment, and storage solutions.
- Managed virtualized environments using XenServer, ensuring high availability and performance of critical university systems.
- Developed and maintained software solutions for university systems, including student information systems, library management (KOHA), and learning management systems.
- Configured and monitored network security measures, including firewalls and intrusion detection systems, to ensure data integrity and security.
- Automated routine maintenance tasks and patch management using Bash scripting, reducing downtime and improving system reliability.

- Participated in disaster recovery planning and drills, enhancing the university’s ability to recover from potential data loss and outages.
- Provided technical support and training to staff and students, ensuring efficient use of university IT resources.
- Maintained detailed documentation of IT infrastructure, policies, and procedures to ensure compliance and facilitate troubleshooting.
- Technologies used: XenServer, VMware, firewalls, intrusion detection systems, and various automation and scripting tools.

## EDUCATION

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**New Kalakla Secondary School**

**2005 - May 2010**



**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