# 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, Bash, JavaScript, C++

CI/CD Jenkins, GitHub Actions,

Cloud AWS, GCP, Azure

IaC Terraform, CloudFormation, Pulumi

Configuration Ansible, Chef, Puppet, SaltStack

Containerization Docker, Kubernetes, ECS, EKS, AKS

Monitoring Prometheus, Grafana Logging Elastic Stack ELK

Version Control Git, GitHub, GitLab

Networking TCP/IP, DNS, Load Balancers, VPN, VPC

Security OAuth, JWT, SSL/TLS, IAM, SSO

**Scripting** Shell Scripting, PowerShell

Build Tools Maven, Gradle, Ant

Artifact Management Nexus, Artifactory

Service Mesh Istio, Linkerd, Consul

Message Queueing RabbitMQ, Apache Kafka, AWS SQS Web Development Node.js, Express, Nginx, Apache

Frontend Frameworks React, Angular, Vue.js

Operating Systems Linux, Windows, macOS

Management Jira, Confluence

**Documentation** Markdown, LaTeX

Secrets Management 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 analytes.
- 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.

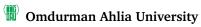
### Omdurman Ahlia University - Infrastructure Engineer

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
- 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**



2009 - May 2014

BS.c of Computer Engineering

### **PROFESSIONAL CERTIFICATIONS**













2017: British Council IELTS 2022: AWS Certified 2023: AWS Certified 2020: Udacity C++ 2021: DevOps with Cloud Practitioner Solutions Architect

Nanodegree

**AWS** 

2020: Percipio -**HCL Content**