

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

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