

Ahmed Ali Mohamed Soliman

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Summary | Senior software and platform engineer with experience across backend systems, full stack web applications, cloud infrastructure, container platforms, automation, and AI-adjacent services. I work comfortably across product delivery and platform ownership, building and maintaining systems with Python, TypeScript, JavaScript, C/C++, AWS, Docker, Kubernetes, Terraform, and modern CI/CD tooling.

Technical Competencies

Languages	Python, TypeScript, JavaScript, C/C++, Go	AI Tools	OpenAI API, Hugging Face, TensorFlow, PyTorch, Pandas
Frontend	React, Next.js, TypeScript, CSS	Testing	Pytest, Selenium, JUnit, TestNG, Inspec
Backend	Node.js, Express, REST APIs, microservices	Monitoring	Prometheus, Grafana, ELK, New Relic
Data	MySQL, MongoDB, Cassandra, Redis, Postgres	Version Control	Git, GitHub, GitLab
Search	Elasticsearch, ELK Stack	Management	Jira, Confluence
Messaging	RabbitMQ, Apache Kafka, AWS SQS	Networking	TCP/IP, DNS, Load Balancers, VPN
Cloud	AWS, Azure, GCP	Security	OAuth, JWT, SSL/TLS, SSO, IAM
DevOps	Docker, K8, Helm, Terraform, Ansible	Documentation	Markdown, LaTeX
CI/CD	Jenkins, GitHub Actions, GitLab CI		

Recent Experience

 Avrioc Technologies - Senior Software Engineer June 2023 - Present

- Build software across product, platform, and internal tooling domains, contributing to Omnium as a core product alongside chess, AI, and web platform initiatives.
- Deliver backend and frontend features using Python, Node.js, React and TypeScript across application and service layers.
- Design and evolve application workflows that connect user-facing interfaces, backend services, and supporting platform capabilities in a maintainable way.
- Develop internal tools and service integrations that improve engineering velocity, reduce repetitive work, strengthen team productivity, and simplify operational handoffs.
- Integrate supporting infrastructure and data components including Elasticsearch, Cassandra, Redis, RabbitMQ, Docker, and Kubernetes to support reliable application workflows.
- Collaborate across product, platform, and support functions to debug production issues, refine requirements, and ship incremental improvements safely.
- Participate in the development and ongoing evolution of Catalys, Cosmos, Omnidar, and the Horizon platform as part of the broader product ecosystem.
- Participate in testing, release, production support, and technical documentation as part of end-to-end feature ownership.
- Technologies used: Python, TypeScript, JavaScript, C/C++, Bash, Node.js, React, AWS, Docker, Kubernetes, Jenkins, Elasticsearch, Cassandra, Redis, RabbitMQ.

 HCL Technologies - Senior Software Engineer September 2019 - May 2023

- Helped extend the Houndify voice AI platform with Arabic recognition, language understanding, and domain-specific conversational behavior.
- Built backend modules and integrated external data sources to improve knowledge coverage, platform quality, and user response accuracy.
- Supported test, release, and deployment activities for platform updates using a practical, production-focused engineering workflow.
- Technologies used: C, C++, Python, JavaScript, Lua, Bash, Docker, Kubernetes, Jenkins.

 Omdurman Ahlia University - Computer Engineer March 2017 - May 2019

- Managed virtualized systems and infrastructure operations for university services and internal platforms.
- Improved monitoring, security, patching, and support processes to reduce operational risk and downtime.
- Supported disaster recovery planning and maintained operational documentation for systems and procedures.

Education

 Kalakla Secondary School 2005 - May 2010

 Omdurman Ahlia University 2009 - May 2014
B.Sc. 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