Abdelrahman Khaled

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Key Skills

- Cloud Platforms: AWS (EC2, S3, RDS), Azure, Google Cloud (GCP)
- Cloud Architecture (DevOps): Kubernetes, Docker, Terraform, CI/CD (Jenkins, ArgoCD)
- Programming Languages: JavaScript, Python, Node.js, React.js, Flutter
- Backend Frameworks: Django, Laravel, Express.js
- AI/ML Integration: AWS SageMaker, Google Cloud AI/ML
- Cybersecurity: Vulnerability Assessments, Data Encryption, Secure Cloud Architectures
- Automating Infrastructure: Serverless Architectures, Infrastructure as Code (IaC), Monitoring (Prometheus, Grafana)
- Database Management: MongoDB, MySQL, PostgreSQL

WORK EXPERIENCE

Co-Founder (CTO) — Venustusy   Feb 2022 - present

- Cloud Architecture and Infrastructure: Designed and implemented scalable cloud architectures on AWS, Azure, and GCP for diverse clients, focusing on high availability, cost optimization, and security best practices.
- Led multiple infrastructure automation projects, utilizing Kubernetes, Docker, and Terraform.
- Full-Stack Software Development: Led development teams in delivering full-stack web and mobile applications using modern frameworks and technologies like React.js, Node.js, Django, and Flutter. Ensured best practices in DevOps with automated CI/CD pipelines and container orchestration.
- Cybersecurity and Compliance: Implemented comprehensive cybersecurity solutions, including encryption protocols, vulnerability assessments, and compliance audits to ensure secure application deployments and data protection.
- AI/ML Integration: Delivered AI/ML solutions using Google Cloud and AWS SageMaker for business intelligence, process automation, and predictive analytics, optimizing client operations.
- Leadership and Project Delivery: Driving the successful delivery of multiple projects focusing on technical excellence and client satisfaction. Collaborated directly with stakeholders to translate business requirements into technical solutions.

Cloud Instructor — Nasser Centre for Science and Technology (NCST)   Aug 2022 - present

- Developed and delivered cloud computing, AI, and cybersecurity curricula aligned with AWS certification standards.
- Led workshops, hackathons, and coding competitions to enhance learners' practical skills and prepare them for AWS certifications.
- Established partnerships with key industry players to provide students with real-world exposure, networking opportunities, and pathways for internships or employment, bridging the gap between academic learning and professional experience.
- Created courses in cloud computing, programming, and IoT, and mentored senior projects to support learners' career development.
- Played a pivotal role in securing NVTC's status as an AWS Authorized Training Partner, establishing the institution as a recognized center for AWS training and certification, significantly expanding the reach and impact of the cloud computing programs offered.

Software Development Engineer I (SDE I) — Mannai Tech   Jan 2022 - Aug 2022

– Enhanced User Experience and Global Reach: Successfully implemented multi-language support and user interface improvements for the CODOT client application, significantly enhancing user accessibility and expanding the application's global reach.

– Secured Data and Streamlined Operations: Developed and implemented robust authentication and authorization protocols for the CarFlow application, ensuring secure data access and management. Additionally, I integrated and managed a Shopify e-commerce platform for Karima Sharabi, streamlining online sales operations and providing a seamless customer experience.

– Technical Proficiency: Demonstrated proficiency in (JavaScript, Tailwind CSS, React.js, Vue.js, Laravel, Inertia.js, and Node.js).

Software Engineer Intern — Unipal
<div align="right">Sep 2021 - Dec 2021</div>

– Cost-Efficient Serverless Architecture: Architected and prototyped a serverless architecture for the merchant dashboard, significantly reducing operational costs and improving scalability.

– Enhanced SEO Performance: Optimized Unipal's SEO through server-side rendering, leading to a 10 percent improvement in search engine ranking and increased organic traffic.

– Technical Expertise: Demonstrated proficiency in (JavaScript, Node.js, React, Tailwind CSS, AWS, and APIs).

Google Cloud Champion Innovator - Cloud AI/ML
<div align="right">Feb 2022 - Present</div>

– Recognition and Expertise: Recognized by Google as a Cloud AI/ML Champion Innovator, joining a global network of leading cloud professionals. This distinction highlights my expertise and contributions to Google Cloud's AI and Machine Learning solutions.

– Exclusive Access and Collaboration: Granted exclusive access to Google Cloud product teams and projects, fostering collaboration and early engagement with cutting-edge cloud technologies.

– Community Leadership: Awarded recognized member status on the Stack Overflow Google Cloud Collective, a prestigious community of experts. Actively contribute to knowledge sharing, technical discussions, and mentorship within the Google Cloud domain.

GDSC Mentor - MENA
<div align="right">Jul 2021 - Feb 2022</div>

– Mentorship and Empowerment: Provided technical mentorship and hands-on labs to over 1500 students across the MENA region, empowering them to pursue careers in data analytics.

– Community Building and Collaboration: Co-hosted workshops and sessions with other GDSC chapters, reaching an additional 1000 participants and fostering collaboration within the tech community.

– Recognition for Contributions: Recognized as a Google Cloud Champion Innovator in AI/ML for my contributions to the program and the broader Google Developer Communities ecosystem.

GDSC Founder and Lead
<div align="right">Sep 2019 - Sep 2021</div>

– Chapter Establishment and Growth: Founded and led a thriving GDSC chapter at the University of Bahrain, promoting Google technologies and fostering student engagement in the tech ecosystem.

– Community Impact: Organized and hosted over 150 technical workshops and sessions, impacting over 5000 learners.

– Collaboration and Outreach: Co-organized events with external tech communities, attracting over 2000 participants and facilitating collaboration and knowledge exchange.

PROJECTS

Multilingual Document Translation Application

– Developed a full-stack document translation application using React.js for the front end and a robust Python backend with AWS integration. This user-friendly application allows users to upload various document formats (text, PDF, PowerPoint, Excel), select source and target languages, and receive translated versions with preserved original formatting.

Customizable Automation Platform

– Designed and developed a highly scalable automation platform that enables users to connect various popular tools and automate tasks. Utilized Next.js, Tailwind CSS, and Prisma for a robust and efficient infrastructure. Implemented seamless integrations with Discord, Slack, Google Drive, and Notion. Created a user-friendly interface with a drag-and-drop node builder and visual workflow map. Developed a subscription-based pricing model using Stripe. Technologies: Next.js 14, ngrok, Tailwind CSS, Aceternity UI, Chadcn UI, Prisma, Neon tech, Uploadcare, Cron jobs, Zustand, Stripe, React Flow, Clerk authentication

FocusPoint - Photography Portfolio Website

– Designed and developed a dynamic, visually appealing portfolio website to showcase photography work. Utilized React for a modern and interactive user experience. Leveraged Netlify for seamless deployment and hosting. Integrated MongoDB as a flexible and scalable database for storing and managing content. Implemented a CMS for easy content management, allowing for effortless updates of photos and descriptions.

EDUCATION

2017 - 2022   Software Engineering Bachelor's Degree at **University of Bahrain**

CERTIFICATIONS

2024   **CKA: Certified Kubernetes Administrator**
2024   **Google Cloud Certified Professional Cloud Architect**
2024   **AWS Certified Solutions Architect Associate**
2024   **Oracle Cloud Infrastructure 2024 DevOps Professional (1Z0-1109-24)**
2024   **KCNA: Kubernetes and Cloud Native Associate**
2023   **AWS Verified Educator**
2023   **Google Cloud Champion Innovator - Cloud AI/ML**
2022   **Certified Microsoft Azure Administrator Associate**

VOLUNTEERING AND CONTRIBUTIONS

Community Engagement and Knowledge Sharing

Focus Group Member	**Participated in the Focus Group for Packt's AWS Solutions Architect Associate (SAA-C02) Practice Exams, contributing valuable insights and feedback to developing exam preparation resources.**
E-book Translator	**Translated the e-book "Terraform Best Practices" into Arabic, expanding access to essential knowledge and skills within the Arabic-speaking community.**
Technical Content Contributor	**Contributed to the "Introduction to DevOps on AWS Whitepaper," sharing technical expertise and supporting disseminating valuable information.**