

SHACHAF KARVAT

FREELANCE SOLUTIONS ARCHITECT

CLOUD & DEVOPS ENGINEER

A highly driven and committed DevOps consultant/Site Reliability Engineer (SRE) with extensive experience in DevOps, cloud technologies, systems administration, automation, Infrastructure as Code (IaC), and CI/CD. I specialise in delivering secure, automated, and high-availability solutions using tools like Terraform, Jenkins, and CloudFormation, primarily within AWS environments. With a methodical approach to problem-solving, I thrive in high-pressure scenarios, managing medium to large-scale infrastructures and implementing efficient CI/CD pipelines.

I am actively seeking new opportunities as a DevOps consultant or SRE to leverage my expertise in automating processes and provisioning scalable environments. I am eager to contribute to challenging projects in both public and private sectors while continuing to expand my technical proficiency and certifications.

EMPLOYMENT HISTORY

DEVOPS AND AWS CONSULTANT (CONTRACTOR)

Oct 2023 – Dec 2024

LAG, via Cyberbase consulting

Remote

- Contributed to an Intelligent Automation Project, integrating AWS with Windows platforms
- Augmented deployment efficiency by automating AMI image provisioning in CI/CD pipelines
- Managed deployment of multiple Windows-based RPA instances in a cross-account AWS environment
- Enhanced operational agility through automation workflows, Lambda functions and pipelines.
- Collaborated seamlessly with a fully remote team

SENIOR DEVOPS CONSULTANT (CONTRACTOR)

Oct 2022 - Aug 2023

Finnu Limited

Camberley, Hybrid

- Led AWS cloud infrastructure design, utilizing EC2, VPC, IAM, ECS, and Landing Zones
- Streamlined operations through Infrastructure-as-Code (IaC) and CI/CD pipelines with Terraform and Jenkins
- Ensured system robustness via rigorous security and scalability assessments
- Established multi-tier self-healing deployment using Control Tower and AFT

SENIOR DEVOPS CONSULTANT (PERMANENT)

Jul 2021 - Jul 2022

Reply Airwalk Consulting Limited

London, Hybrid

- Collaborated on AWS cloud architecture, providing CI/CD and IaC solutions
- Accelerated system observability and monitoring upgrade
- Effectively synced operational excellence with client KPIs

SELF-EMPLOYED CONTRACTOR (FREELANCE)

Aug 2016 - Jul 2021

Taurak IT Limited (Own company)

London / Surrey

- Collaborated on AWS migration and containerisation using EKS and ECS in short-term contracts
- Facilitated CI/CD pipeline implementation for operational efficiency
- Demonstrated problem-solving skills in securing cloud infrastructures
- Supported fintech, retail banking, and automotive sectors with secure IT solutions
- Improved system resilience by hardening cloud infrastructures

NOTABLE PROJECTS

AWS DEVOPS CONSULTANT

Feb 2021 - May 2021

Cambridge Cognition

Cambridge (Remote)

- Led the migration to AWS from legacy VPC, expanding to multiple regions, including China
- Established CI/CD workflows using DevSecOps best practices
- Enhanced system performance by deploying Kubernetes clusters via EKS and private ECR

AWS DEVOPS ENGINEER

Sep 2020 - Jan 2021

Airwalk Consulting / Vive Bank

London (Remote)

- Facilitated the launch of a state-of-the-art banking platform by enhancing AWS infrastructure security
- Employed Terraform to automate CI/CD pipelines and segregate VPCs, demonstrating analytical skills
- Addressed multifaceted infrastructure issues, improving platform functionality

SENIOR DEVOPS & CLOUD ARCHITECT

Jan 2020 - May 2020

Alantra Corporate Portfolio

London

- Led the design and implementation of a robust cloud architecture for a greenfield project
- Managed compliance and information security, ensuring data integrity
- Optimised configurations and CI/CD processes through automation, enhancing workflow

DEVOPS CONSULTANT

Nov 2018 - Jun 2019

BlockDox Limited

London

- Drove the development of IoT and cloud infrastructure for a smart buildings startup
- Introduced cloud-native technologies and security best practices, modernising deployments
- Amplified business productivity through optimised processes

DEVOPS CONSULTANT

Jul 2018 - Oct 2018

Various clients, multiple projects

London

- Led DevOps consultations on multiple projects
- Specialised in CI/CD, achieving streamlined workflows
- Implemented cloud automation via Terraform, enhancing operational efficiency
- Utilised Docker and Kubernetes for advanced containerisation
- Improved project outcomes through innovative solutions

RELEASE ENGINEER

Jan 2018 - Jun 2018

Trinity Mirror

London

- Led the redesign and optimisation of Jenkins Declarative Pipeline
- Streamlined multiple CI/CD environments into a single, unified infrastructure
- Leveraged innovative solutions to enhance release pipelines

DEVOPS CONSULTANT

Sep 2017 - Dec 2017

BCG-DV

London

- Orchestrated the creation of a blockchain environment on Azure
- Implemented CI/CD pipelines integration using Jenkins, GitLab, and Docker
- Enhanced operational efficiency and system reliability

DEVOPS ENGINEER

Jul 2017 - Aug 2017

CloudTP

London

- Orchestrated cloud infrastructure project for a prominent UK retail bank
- Utilised Terraform, Chef, and Bash scripting for AWS deployment
- Yielded increased efficiency and cost-effectiveness

DEVOPS ENGINEER & CLOUD ARCHITECT

Feb 2017 - Jul 2017

Preh Car Connect***Dresden, Germany***

- Orchestrated cloud solution creation for automotive field
- Employed AWS, Ansible, Packer, Jenkins to enhance operations
- Resolved technical challenges, enhancing system productivity

DEVOPS ENGINEER

Nov 2016 - Jan 2017

BCG-DV / twill-logistics (Damco)***Berlin, Germany***

- Led the establishment of a Docker, DC/OS, and Azure-based production environment for a startup
- Orchestrated a successful PoC with Kubernetes, showcasing potential scalability
- Enhanced system reliability through innovative DevOps strategies

PLATFORM/DEVOPS ENGINEER (PERMANENT)

Sep 2015 - Aug 2016

BJSS Ltd***London***

- Integral part of Agile team, driving AWS infrastructure development
- Utilized Ansible, Terraform, and Puppet for efficient AWS resource provisioning
- Ensured robust security via custom AMIs and cloud-init scripts
- Implemented continuous integration, enhancing code delivery with Jenkins
- Administered code versioning with Git and GitLab, supporting code management

IT OPERATIONS ENGINEER (PERMANENT)

Dec 2014 - Aug 2015

Metro Bank PLC***London***

- Orchestrated seamless Linux/Windows server operations, T24 systems, and Java/JBoss stacks.
- Implemented Splunk, PowerShell, and Bash for automation and monitoring, streamlining processes.
- Promptly resolved server incidents, ensuring uninterrupted banking operations.
- Furnished 24/7 support, guaranteeing uninterrupted service for critical banking systems.

LINUX CONSULTANT/SPECIALIST

Sep 2012 - Nov 2014

Israeli Start-Up Ventures - IronSource, ObserveIT, LottoSend

- Directed IT reorganization, establishing a Help Desk for a new telecom firm
- Orchestrated a strategic AWS/SoftLayer cloud migration
- Enhanced infrastructure efficiency by reducing redundant AWS EC2 resources, cutting costs
- Implemented automation using Puppet and Chef in Dev and POC environments
- Provided critical support during emergency situations

SYSTEM UNIX ENGINEER

Mar 2011 - Jul 2012

Hewlett Packard, Enterprise Services Division***Israel***

- Headed the enhancement and upgrade of VMware infrastructure.
- Provided Unix support, ensuring optimal system performance.
- Participated in a major system upgrade and reorganisation project, contributing to project management.

IT MANAGER

Jun 2009 - Jan 2011

Hexagon Technologies***Israel***

- Directed IT governance, overseeing server deployments
- Executed superior network security measures
- Fostered professional growth within the NOC team

LAB ADMIN/IT HELPDESK (INTERN)

2006 - 2008

Cisco Systems Inc***Israel***

- Orchestrated lab communication management aiding QA and Dev teams
- Facilitated seamless development cycles and software releases
- Fostered inter-departmental collaboration for project success

EDUCATION

BA IN POLITICAL SCIENCES & BUSINESS ADMINISTRATION **2003 - 2008**
Hebrew University, Jerusalem, Israel

COURSES

AWS SOLUTION ARCHITECT (ASSOCIATE) **Present**
AWS

CERTIFIED KUBERNETES ADMINISTRATOR (CKA) **Present**
Linux Foundation

REDHAT CERTIFIED ENGINEER (RHCE) **2010**
RedHat

MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE) **2009**
Microsoft

LANGUAGES

English (Highly proficient), Hebrew (Native).

LINKS

Personal Website: www.shachafkarvat.com, LinkedIn: www.linkedin.com.

ADDITIONAL INFORMATION

CERTIFICATIONS

AWS Solution Architect (Associate) AWS-ASA-17608

Certified Kubernetes Administrator (LF-vgeus9h68r)

RedHat Certified Engineer (2010)

Microsoft Certified Systems Engineer (2009)

SKILLS

Configuration Management, Security Compliance, System Automation, Load Balancing, Performance Tuning, Problem Solving, Amazon Web Services (AWS), Azure, CI/CD, Terraform, Ansible, Infrastructure as Code (IaC), GitHub, Linux, Containerization, Docker, Jenkins.