SHACHAF KARVAT

Platform Engineer | Cloud & DevOps Engineer | Site Reliability Engineer (SRE)
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PROFESSIONAL SUMMARY

Platform and DevOps engineer with 15+ years of experience in cloud computing, automation, and Infrastructure as Code (IaC). Designs, implements and maintains core cloud platform services, networking and security controls on AWS, using Terraform and OpenTofu, Python and Bash automation, and CI/CD pipelines. Builds multi-account AWS foundations, including landing zones, AWS Organizations and Service Control Policies, IAM Identity Center and identity federation, hybrid networking, and centralised logging. Applies cloud security and governance through policy-as-code, DevSecOps practices and ISO 27001, SOC 2 and GDPR requirements. Delivers scalable, highly available platforms in regulated environments, working across engineering, security and operations teams as an independent contractor in UK FinTech, retail banking and enterprise platform teams.

CORE SKILLS

Cloud Platforms: AWS (EC2, VPC, IAM, Lambda, ECS, EKS, RDS, S3, DMS, CloudWatch, Organizations, Service Control Policies, Control Tower, Landing Zones, AFT, IAM Identity Center), Microsoft Azure

Cloud Foundations & Networking: Multi-account architecture, account vending, identity federation, VPC design, hybrid networking, centralised logging

Infrastructure as Code: Terraform, OpenTofu, CloudFormation, Ansible, Packer, Chef, Puppet

Scripting & Automation: Python, Bash, PowerShell, Git

CI/CD & GitOps: Jenkins, GitHub Actions, GitLab CI/CD, BitBucket Pipelines, ArgoCD/Flux, GitOps

Security, Governance & Compliance: IAM policies, KMS encryption, policy-as-code, DevSecOps, security hardening, ISO 27001, SOC 2, GDPR

Containers & Orchestration: Kubernetes, Amazon EKS, Helm, Docker, ECR, ECS, LXC

Monitoring & Observability: AWS CloudWatch, ELK Stack, Splunk, Nagios

Operating Systems: Linux (RHEL, Ubuntu, Debian), Windows Server (2012–2019)

AI/ML & Automation: LLM integration (Anthropic Claude API), AI-driven workflow automation (n8n), prompt engineering, data extraction and structured output pipelines

Methodologies: Agile/Scrum, DevSecOps, SRE, stakeholder communication

FREELANCE & CONTRACT EXPERIENCE

Trading as Taurak IT Limited (own limited company) — Sep 2016 to Present. Engagements listed most recent first.

DevOps Engineer (Contract, Outside IR35) **Aug 2026 – Present**
Civica — UK (Remote)

- Deliver AWS infrastructure as code with Terraform, and build and maintain CI/CD pipelines.
- Support a data centre migration to AWS, including database migration using AWS DMS.
- Work closely with engineering teams and technical stakeholders to agree migration and platform approach.

DevOps & AWS Consultant (Contract, Inside IR35) **Sep 2025 – Jul 2026**
Xpansiv (formerly Evident) — Sheffield, UK (Hybrid)

- Managed and improved scale-up workloads on AWS, covering RDS, EKS and DevSecOps controls.
- Designed and provisioned AWS resources (RDS, IAM, EC2, security groups) via Infrastructure as Code using Terraform and OpenTofu.
- Developed and enhanced CI/CD pipelines with Terraform and BitBucket Pipelines.
- Supported adoption and implementation of GitOps methodology.
- Applied policy-as-code checks within CI/CD pipelines and aligned platform controls to ISO 27001, SOC 2 and GDPR requirements.
- Built AI/ML-enabled automation pipelines integrating LLMs (Anthropic Claude) for data extraction and structured processing across operational workflows.

DevOps & AWS Consultant (Contract, Inside IR35) **Mar 2025 – Sep 2025**
Barclays via Avanade / Accenture — UK (Hybrid)

- Supported the platform team's migration of on-premises workloads to AWS.
- Designed and provisioned AWS resources (IAM, EC2, security groups) via Infrastructure as Code.
- Developed and enhanced CI/CD pipelines with Terraform, Ansible and Chef.
- Contributed within an Agile squad, applying DevOps best practices.

DevOps & AWS Consultant (Contract) **Oct 2023 – Dec 2024**
IAG via Cyberbase Consulting — Remote

- Contributed to an Intelligent Automation project integrating AWS with Windows platforms.
- Improved 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, working within a fully remote team.

Senior DevOps Consultant (Contract) **Oct 2022 – Aug 2023**
Fiinu Limited — Camberley, UK

- Led AWS cloud infrastructure design using EC2, VPC, IAM, ECS and Landing Zones.
- Built the AWS multi-account foundations: AWS Organizations and Service Control Policies, account vending, IAM Identity Center and identity federation, hybrid networking and centralised logging.
- Established a multi-tier, self-healing deployment using AWS Control Tower and Account Factory for Terraform (AFT).
- Streamlined operations through Infrastructure as Code and CI/CD pipelines with Terraform and Jenkins.
- Applied policy-as-code and aligned platform guardrails to ISO 27001, SOC 2 and GDPR requirements.
- Ensured system robustness through rigorous security and scalability assessments.

AWS DevOps Consultant (Contract) **Feb 2021 – May 2021**
Cambridge Cognition — Cambridge, UK (Remote)

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

AWS DevOps Engineer (Contract) **Sep 2020 – Jan 2021**
Airwalk Consulting / Vive Bank — London, UK (Remote)

- Supported the launch of a new banking platform by hardening AWS infrastructure security.
- Used Terraform to automate CI/CD pipelines and segregate VPCs.
- Resolved complex infrastructure issues, improving platform functionality.

Senior DevOps & Cloud Architect (Contract) **Jan 2020 – May 2020**
Alantra Corporate Portfolio — London, UK

- 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.

DevOps Consultant (Contract) **Nov 2018 – Jun 2019**
BlockDox Limited — London, UK

- Drove development of IoT and cloud infrastructure for a smart-buildings startup.
- Introduced cloud-native technologies and security best practices, modernising deployments.

DevOps Consultant (Contract) **Jul 2018 – Oct 2018**
Taurak IT Limited — Various clients, London, UK

- Delivered DevOps consultations across multiple client projects, specialising in CI/CD.
- Implemented cloud automation via Terraform and containerisation via Docker and Kubernetes.

Release Engineer (Contract) **Jan 2018 – Jun 2018**
Trinity Mirror — London, UK

- Led the redesign and optimisation of a Jenkins Declarative Pipeline.

- Consolidated multiple CI/CD environments into a single, unified infrastructure.

DevOps Consultant (Contract) **Sep 2017 – Dec 2017**
BCG Digital Ventures — London, UK

- Built a blockchain environment on Microsoft Azure.
- Implemented CI/CD pipeline integration using Jenkins, GitLab and Docker.

DevOps Engineer (Contract) **Jul 2017 – Aug 2017**
CloudTP — London, UK

- Delivered a cloud infrastructure project for a prominent UK retail bank.
- Used Terraform, Chef and Bash scripting for AWS deployment, improving efficiency and cost-effectiveness.

DevOps Engineer & Cloud Architect (Contract) **Feb 2017 – Jul 2017**
Preh Car Connect — Dresden, Germany

- Built a cloud solution for the automotive sector using AWS, Ansible, Packer and Jenkins.

DevOps Engineer (Contract) **Nov 2016 – Jan 2017**
BCG Digital Ventures / Twill Logistics — Berlin, Germany

- Established a Docker, DC/OS and Azure-based production environment for a startup.
- Delivered a successful Kubernetes proof of concept, demonstrating scalability.

PERMANENT & PAYE EXPERIENCE

Senior DevOps Consultant (PAYE) **Jul 2021 – Jul 2022**
Reply Airwalk Consulting Limited — London, UK

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

Platform / DevOps Engineer (Permanent) **Sep 2015 – Aug 2016**
BJSS Ltd — London, UK

- Drove AWS infrastructure development as part of an Agile team.
- Provisioned AWS resources using Ansible, Terraform and Puppet.
- Ensured robust security via custom AMIs and cloud-init scripts.
- Implemented continuous integration with Jenkins; administered code versioning with Git and GitLab.

IT Operations Engineer (Permanent) **Dec 2014 – Aug 2015**
Metro Bank PLC — London, UK

- Operated Linux/Windows servers, T24 core banking systems and Java/JBoss stacks.
- Implemented Splunk, PowerShell and Bash for automation and monitoring.
- Provided 24/7 support, ensuring uninterrupted service for critical banking systems.

Linux Consultant / Specialist (Permanent) **Sep 2012 – Nov 2014**
Israeli start-up ventures — IronSource, ObserveIT, LottoSend, Israel

- Directed IT reorganisation and established a Help Desk for a new telecom firm.
- Led a strategic AWS / SoftLayer cloud migration and reduced redundant EC2 resources to cut costs.
- Implemented automation using Puppet and Chef in Dev and PoC environments.

System Unix Engineer (Permanent) **Mar 2011 – Jul 2012**
Hewlett Packard, Enterprise Services Division — Israel

- Led enhancement and upgrade of VMware infrastructure and provided Unix support.
- Contributed to a major system upgrade and reorganisation project.

IT Manager (Permanent) **Jun 2009 – Jan 2011**
Hexagon Technologies — Israel

- Directed IT governance and server deployments; implemented network security measures.

- Led and developed the NOC team.

Lab Admin / IT Helpdesk (Internship) **2006 – 2008**
Cisco Systems Inc — Israel

- Managed lab communications, supporting QA and Development teams through release cycles.

EDUCATION

BA in Political Science & Business Administration **2003 – 2008**
Hebrew University of Jerusalem, Israel

CERTIFICATIONS

- HashiCorp Certified: Terraform Associate (003)
- AWS Certified Solutions Architect – Associate (AWS-ASA-17608)
- Certified Kubernetes Administrator – CKA (LF-vgeus9h68r)
- Red Hat Certified Engineer – RHCE (2010)

LANGUAGES

English — Highly proficient | Hebrew — Native