# Kanan Hasanli

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## About me

With over a decade of experience spanning telecom, financial institutions, and storage providers, I offer a robust skill set in cloud technologies (AWS, vSphere), Kubernetes (Rancher, Tanzu, OCP), and automation (Ansible, Terraform). Proficient in Linux system maintenance, monitoring, and application release management with continuous delivery. Deep understanding of enterprise infrastructure architecture. Extensive experience with enterprise clients, ensuring seamless integration of technical solutions. In my work I am focusing on Automation via Infrastructure as a Code, GitOps and Security.

## Technologies

**Linux:** RHEL, Ubuntu, CoreOS
**Cloud:** VMware vSphere, AWS
**Automation:** Ansible, Terraform, OpenTofu, cloud-init
**Kubernetes & Containers:** OpenShift, Rancher, Tanzu, Docker, Podman, Helm
**Storage:** PortWorx, PX-Backup, vSphere, AWS, Minio, velero, OCP OADP
**CI/CD:** Jenkins, TeamCity, GitHub Actions
**Monitoring & Logging:** TICK Stack: Telegraf, Influx, Chronograf, Kapacitor, Grafana, Prometheus, ElasticSearch
**Documentation & Diagramming:** AsciiDoc, Markdown, LaTeX, Docsify, UML
**Communication:** Postfix, Dovecot, Pigeonhole
**Security:** Vault, OpenLDAP
**Other Skills:** Git, GitOps, Microsoft SharePoint, Abbyy FlexiCapture, ITIL, Agile, Scrum, multipass, kcli

## Education

**Azerbaijan Technical University**                                                                                        *2014 – 2016*
*MSc in Computer Modeling*

**Azerbaijan Technical University**                                                                                        *2010 – 2014*
*BSc in Information Systems and Technologies*

## Experience

**Senior Systems Engineer**                                                                                        REDACTED
*Hargreave-Rasch Biomedical*                                                                                        REDACTED

- Analysis and design of secure Kubernetes(including OpenShift, Rancher, Tanzu) Storage and Backup with and without encryption
- Deployment, Management and Maintenance of Storage Systems
- Connecting Portworx to existing monitoring solution or setting up Prometheus and Grafana
- Automation of deployment with Ansible and Terraform and building CI/CD pipelines
- Configuration of Storage backend with vSphere, AWS, Minio
- Writing documentation for installation, 2nd day operations and maintenance using Word, Markdown and AsciiDoc
- Operated multitude of machines with different flavors of Linux(RHEL, Ubuntu, CoreOS)
- Wrote code for a certain REDACTED Suit project and its successor REDACTED Suit 2.0 project

**Senior Delivery Engineer**                                                                                        *Frankfurt, Germany*
*Pure Storage*                                                                                        *Oct 2022 – Jun 2024*

- Analysis and design of secure Kubernetes(including OpenShift, Rancher, Tanzu) Storage and Backup with and without encryption

- Deployment of Portworx and PX-Backup with necessary design
- Connecting Portworx to existing monitoring solution or setting up Prometheus and Grafana
- Automation of deployment with Ansible and Terraform and building CI/CD pipelines
- Configuration of Storage backend with vSphere, AWS, Minio
- Writing documentation for installation, 2nd day operations and maintenance using Word, Markdown and AsciiDoc
- Working with different flavours of Linux(RHEL, Ubuntu, CoreOS)
- Conducting PoCs of software and platforms

**Site Reliability Engineer** *Frankfurt, Germany*
*Deutsche Boerse* *Aug 2019 – Oct 2022*

- Deployment, support and maintenance of HA Production and non-Production OpenShift/Kubernetes clusters
- Support of VM based applications
- Work with vSphere to support and maintain VMs and integrations
- Automation of processes with Ansible and Terraform
- Documentation of existing procedures and automations
- Conducting PoCs of software and platforms
- Containerization of non in-house software
- Communication with client for acquiring specifications and requirements for demands- Systems optimization according to needs and purposes of applications
- ITIL based process management
- Repository, Package and Artifact management with GitOps
- Planning and design of infrastructure architecture

**Senior Systems Engineer** *Prague, Czech Republic*
*EPAM Systems* *Dec 2017 – Jul 2019*

- Release management for UAT/Staging/Production environments for C++, C#, and Java applications
- Migration of Legacy applications to newer servers, and dependency resolution
- Management of applications running on Linux and Windows servers
- Automated development with Nolio deployment system
- Repository, Package and Artifact management with Git, Perforce, Nexus, Nuget
- Powershell scripts for automating the processes
- Queue Management with IBM MQ
- Systems optimization according to needs and purposes of applications
- ITIL based process management
- Automate server provisioning using Chef.

**DevOps Engineer** *Remote*
*Decision Mapper* *Apr 2017 – Dec 2017*

- Setup and maintenance of Monitoring and Logging Solutions like, ElasticSearch and Prometheus for infrastructure wide observability.
- Deployment of on premise or GCE/Azure clusters, with Docker/Docker Swarm, Kubernetes, OpenShift.
- Contribute to the authoring of several automation tools including templating agents for package managers (PIP, Chocolatey), provisioning scripts, and an automation client used by all teams to create and execute functional test scripts (python).
- Create and maintain software build and deployment pipelines using Jenkins.
- Maintain Jenkins jobs which serve as both builds and task runners for tooling.
- Work with development teams on transitioning to a Continuous Delivery process with automated build,

test, and deployment.
- ○ Perform software releases to production and other client facing environments.
- ○ Collaborate with development and other technology teams on requirements definition, capacity planning, and process refinement.
- ○ Adhere to existing operational processes and maintain operational documentation.

**System Engineer**                                                                                   *Baku, Azerbaijan*
*Nar Mobile*                                                                                           *Dec 2015 – Dec 2017*

- ○ Management of all phases of the business applications projects preparation lifecycle, gather inital business requirements, create requests for proposal and evaluation parts.
- ○ Development of quality software tools and products based on requirements from business customers.
- ○ Administration of existing informational systems and tools in accordance with corporate standards and ITIL practices.
- ○ Works with QA Team to ensure appropriate quality level of software tools to release.
- ○ Provides assistance for the Business Customer to establish or evaluate existing business requirements.

**Application Monitoring Engineer**                                                                   *Baku, Azerbaijan*
*Nar Mobile*                                                                                           *Feb 2013 - Dec 2015*

- ○ Monitor Systems: Track infrastructure, applications, and networks for performance and availability issues.
- ○ Incident Response: Detect, troubleshoot, and escalate system incidents to ensure quick resolution.
- ○ Automate Monitoring: Build scripts and tools for automated alerting and monitoring processes.
- ○ Report Performance: Generate system performance reports and suggest optimizations.
- ○ Collaborate Cross-Team: Work with IT and DevOps to align monitoring with operational goals.

**System Adminitrator**                                                                               *Baku, Azerbaijan*
*Azerbaijan Technical University*                                                                      *Nov 2010 – Feb 2013*

- ○ Supporting local and international staff as an IT support team member
- ○ Receiving requests, solving & escalating problems
- ○ Second and Third endline user support
- ○ Remote assistance
- ○ Performing diagnostic and security procedures
- ○ Performing data backup & recover procedures
- ○ Performing hardware diagnostics
- ○ Preparing(installing) and re-installing OS and necessary programs
- ○ Maintaining office equipment including managing and deploying consumables (copiers, fax machines, printers)
- ○ Setting up presentations, exhibitions and providing IT support on other performances
- ○ Setting up terminal clients & and upgrading firmware

## Languages

**Azerbaijani:** Native
**English:** Fluent
**Russian:** Fluent
**Turkish:** Fluent
**German:** A2 *(on the path to get B1 and B2)*