

Ashkan Kamyab

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Experienced SRE with a background in Software and Networking and experience 7+ years for multi-national IT growing revenue firms. Seeking to build container/cloud based tool and leverage experience in applied Data-Oriented application.

EDUCATION

- **Azad University of Shiraz** Shiraz, Iran
Bachelor of Software Engineering; GPA: 7.27 *July 2005 - June 2010*
Courses: Operating Systems, Data Structures, Algorithms, Programming Models, Networking, Databases

SKILLS SUMMARY

- **Languages:** Python, Go, JavaScript, SQL, Bash, JAVA
- **Frameworks:** Spring, Django, Flask
- **Tools:** Kubernetes, Docker, Terraform, Spark, Nifi, Kafka, Jenkins, GIT, PostgreSQL, Galera
- **Platforms:** Linux, Web, Arduino, Raspberry, AWS, Azure, IBM Cloud
- **Soft Skills:** Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- **Cocus AG** Remote
Senior SRE (Full-time) *Jul 2021 - Present*
 - **Data Streaming:** Leveraged NiFi/Kafka platform to enhancing data through filtering with the help of point source security and ingesting and processing streaming data in real-time.
 - **Automation:** Leveraged Ansible and Kubernetes frameworks to automate cloud deployment and container orchestration by writing specific helm charts and designing custom workflows.
 - **Reliability:** Supervised and deployed core application stack software for DevOps tool chain.
 - **Impact:** Improved KPIs of Incident/Change management in customer satisfaction survey.
- **Unbelievable-Machine GmbH (*um)** Berlin
System Engineer (Full-time) *Feb 2019 - May 2021*
 - **BigData:** Leveraged Ambari platform to automate deployment of Hadoop/Kafka clusters and monitor their overall operation status.
 - **Automation:** Leveraged Ansible and Puppet frameworks to automate cloud deployment by writing specific scripts and designing custom workflows.
 - **Reliability:** Supervised and deployed core application stack software for Load Balancer.
 - **Impact:** Improved KPIs of Incident/Change management in customer satisfaction survey.
- **PersianGig** Tehran
SysAdmin (Full-time) *Apr 2016 - Oct 2016*
 - **Cloud:** Leveraged OpenStack platform to automate deployment of virtual private servers and to monitor their overall operation status.
 - **Automation:** Leveraged Ansible and Puppet frameworks to automate cloud deployment by writing specific scripts and designing custom workflows.
 - **Reliability:** Supervised and deployed core application stack software for database and web server systems.
 - **ServiceDesk:** Provided support to customers to resolve their technical issues effectively and acted as their main point of contact when they needed other types of support such as billing.
 - **Impact:** Improved KPIs of Incident management in customer satisfaction survey.
- **Homa Telecom** Tehran
Network Engineer (Full-time) *Jan 2015 - Mar 2016*
 - **Team Lead:** Collaborated with a cross-functional team of engineers and engaged closely with leadership and business teams to achieve high growth through rapid innovation.
 - **Routing and Switching:** Configured and launched full networking stack including routers, load balancers, and firewalls.
 - **Wireless:** Optimized the wireless networking equipment to achieve the highest throughput in the extremely noisy environment of the city.
 - **Monitoring:** Envisioned and deployed a comprehensive network and hardware monitoring system using Zabbix platform capable of tracking and reporting wide-ranging set of metrics.
 - **Impact:** Improved stability of the network connectivity and back-bone redundancy.

PROJECTS

- **Prosche AG, Stremzilla:** Streamzilla aims to be the one-stop shop for all the data streaming needs within Porsche. It is an internally managed service that enables different engineering product teams to build and run applications that take advantage of the low latency, high throughput and fault tolerance capabilities of the Apache Kafka distributed system along with Apache NiFi. Streamzilla is designed with a cloud-agnostic approach to be highly salable and ready to ship in cloud, hybrid cloud, and on-premise environments. (Cocus AG, 2021-2022).
- **Fidor Bank, Migrating legacy database to a modern data-warehouse:** Fidor Bank is a local german bank with millions of transactions per day and uses legacy RDBMS clusters that need to migrate to a modern data warehouse. The new Data-warehouse is taking advantage of the Infrastructure-as-Code approach using ansible to be highly scalable and ready to ship in any public/private cloud providers and take advantage of consistency of Data using Galera and avoids Split-Brain situation using ProxySQL by diverging Readers and Writers DataNodes.(Cocus AG, 2022-2022).
- **Unbelievable-Machine, UMCP:** Unbelievable Machine Cloud Platform aims to be managed Private-Cloud platform for B2B Customer Service. It is a fully managed service that enables different engineering product teams to build and run applications that take advantage of the scalability and high availability of Red-Hat OpenShift and K-Native to leverage Micro Services of Software Stack. UMCP deployed fully automated using Ansible Framework to be configurable at scale and managed capably.(*um, 2020-2021).
- **BMW, CNBDP:** Cloud-Native Big Data Platform aims to be a managed BigData platform for Data-Processing within BMW AG. It is an internally managed service that enables different engineering product teams to build and run applications for high throughput data. Hundreds of petabytes of data were stored on HDFS, and Hundreds of gigabytes of data were ingested/streamed daily using Hadoop ecosystem tools such as Spark, Hive, Hbase, and Oozie, etc. CNBDP takes advantage of the Infrastructure-as-Code approach leveraging the toolset of Ansible and Ambari to be highly scalable and ready to ship in any infrastructure.(*um, 2019-2021).

CERTIFICATES

- **GoogleCloud:** Google Certified Associate Cloud Engineer (Google '2021)
- **Kubernetes:** Certified Kubernetes Administrator (CNFC '2020)
- **DevOps:** DevOps Tools Engineer LPI-701 (LPI '2020)

HONORS AND AWARDS

- 1st Runner's Up at Open-Stack Hackathon - 2019, Berlin
- 3rd Runner's Up at DCI Hackathon - 2018, Berlin

VOLUNTEER EXPERIENCE

- **Brave Ambassador** Global, Online
● *Organized events, conducted workshops and delivered workshops reaching over 1000 developers.* *Jan 2020 - Present*
- **Tutor at Redi-School** Berlin, Germany
● *Conducted online and offline technical & soft-skills training impacting over 200 students.* *Jan 2019 - Present*