



# Yosef (Joe) Tavin

DevOps Technical Lead

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Personal Details:

Date of Birth: 1985 ▪ Nationality: USA | Israeli

Technically astute professional with significant experience in cloud, infrastructure, and software development and execution. Track record of designing and maintaining scalable production systems in AWS and Azure. Recognized for improving efficiency of organizational technologies and processes, saving IT costs, and streamlining workflows by introducing new automation tools. Skilled in scripting and coding, CI/CD system building, IT transformation, technical troubleshooting, complex issue resolution, and customer satisfaction/retention. Repeated success providing effective leadership and guidance within DevOps teams, managing various projects from conception to completion, and exceeding end-user requirements.

## Technical Proficiencies

<b>Cloud Services:</b>	EC2, S3, RDS, Redshift, EMR (Spark), Elasticache, DynamoDB, Route53, Cloudwatch, Lambda, ECS, Azure Data Lake, Azure Functions, Blob Storage, Azure Redis, Service Bus, Event Hub
<b>Programming/Scripting:</b>	Bash, Python, Groovy, PowerShell
<b>Platforms/Tools:</b>	Jenkins Pipelines, Docker, Ansible, Terraform, Packer, Datadog, Splunk, Elasticsearch, Logstash, Kibana, Prometheus, Grafana, Nagios, Artifactory, Spot.io, Redis Labs, Azure DevOps, IIS, TFS, Web Applications
<b>OS/DB/Software:</b>	RedHat/CentOS/Ubuntu Linux, Windows Server, Spark, Kafka, Zookeeper, Hadoop, HDFS, Oracle, PostgreSQL, MySQL, Percona Cluster, Redis, Memcached, MongoDB

## Career Experience

### Equalum – World’s Fastest Data Ingestion Platform

2020 – Present

DevOps Technical Lead (One Man Show)

Oversee and develop the automatic installation, configuration, and upgrade of horizontally scalable, clustered software to meet and exceed requirements of enterprise customers. Lead all the DevOps initiatives with a focus on enabling development teams to drive smooth running of CI/CD, systems engineering and technical operations.

- Achieved 30% reduction in Cloud costs and optimized Cloud usage level by 20% through building and execution of flexible Spot instance-based automations
- Added CI and event based CloudHealth notifications, leveraging ChatOps to Slack.
- Redesigned Ansible based Upgrade which was previously a major pain point with customers, during my work on the upgrade, the software received many positive reviews on [ITCentralStation](#) which ensured maximum customer satisfaction and retention by delivering an excellent upgrade experience.
- Introduced Docker Container based development workflows and micro-service pipelines with Jenkins and Groovy.
- Delivered new mode of Equalum Installation for customers with strict Security requirements in record time.

### Moovit – #1 Worldwide Urban Mobility App

2018 – 2020

Lead Cloud Engineer – Moovit Azure Project

Designed, created, and implemented DevOps, technical infrastructure, and deployment tooling in AWS and Azure to create Moovit’s mobility feature within the Azure Maps service. Utilized Azure and AWS tools to develop Moovit API service multi-cloud. Led the development and application of necessary in-house automations using Jenkins, Python, Groovy, and the Spot API to streamline CI/CD workflow. Wrote Infrastructure as code to build automated Azure environments from scratch using Terraform.

- Recognized by management for delivering a full backend API stack from whiteboard scribbles to full-featured service in Microsoft Azure in a few short months.
- Re-architected the backend load balancers of the Search, Core and Trip Planning services to better communicate with the rest of the API. This enhanced maintainability and support for the API endpoints.
- Wrote the entire backend API stack in Azure as environment agnostic Infrastructure as Code modules using Terraform.

- Successfully designed, built, and rolled out new Multi Cloud Continuous Deployment system used by all Dev Teams (50+ developers) across AWS and Azure for Multi Cloud Continuous Deployments.

### Controlup – Next Generation IT Insights

2017 – 2018

DevOps Engineer – 1st Team Member

Formulated and maintained CI/CD and automation tools to enhance efficiency of diverse technologies and platforms, including .NET executables IIS/Windows Services, AWS EMR Spark Big Data Clusters, and AWS Redshift.

- Improved observability of Production backend system's monitoring features of Controlup Realtime™ by initiating the use of Splunk, Nagios XI and Slack alerts.
- Played a key role as member of team in building the Controlup Insights™ Cloud automation system from scratch based on Ansible, AWS API, and Windows server tooling in 2 months despite previous failures.
- Completely automated the creation, building, and deployment of cost-effective Big Data EMR Spark cluster on AWS using Bash, Python, Powershell, Spotinst, Jenkins, and Terraform, minimizing downtime and fully eliminating the need for manual cluster creation and deployments.

### Hometalk – World's Largest DIY Social Networking Website

2016 – 2017

DevOps Engineer – Solo

- Optimized 10X speed of Selenium tests cluster by changing single Windows machine to many parallel Linux nodes.
- Added many necessary automation scripts for effective management of critical Selenium testing cluster infrastructure and enabled it to be scalable, repeatable and cloud agnostic.
- Designed new hot backup and restore system for MySQL Percona cluster using Percona Xtrabackup to fulfil company's data management needs.

### ExLibris – World Leader in SAAS Library Solutions

2013 – 2016

Cloud Operations Engineer

Supervised cross-product systems engineering, OS automation development, and third line operations support to meet end-user requirements. Spearheaded a wide range of infrastructure projects from technical detailing and initial planning to final delivery. Performed technical troubleshooting to identify and fix faults in multiple production servers and databases in Production systems consisting of thousands of servers across multiple datacentres across the world. Managed projects in collaboration with customers and teams across a worldwide organization to achieve set project milestones.

## Additional Experience

ExLibris, Jerusalem – Web Developer (Student Position)

2012 – 2013

Yad Sarah – Largest Voluntary Organization in Israel — CRM Dynamics Developer

2011 – 2012

## Education

Bachelor of Science in Computer Science

Hadassah College, Jerusalem

## Certifications

AWS Certified Solutions Architect (2017)

## Languages

English; Mother Tongue

Hebrew; Mother Tongue