**Udi Yaffe**

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**Summary**

* Over 15+ years of experience in **Cyber Security** and DevOps engineer, working on large and complex systems around the worlds - Netherland, Switzerland, Ireland, Germany and more.
* **Cyber Platform Researcher** and **Cloud Security Architect** experience with software, hardware, network and **Reverse Engineering** of various platforms and cloud solutions.
* **AWS Cloud Solutions Architecture** - design, architect, and implement the **DataLake** with **Data PipeLine** automation solutions that offer clear visibility to customers and analyst teams.
* **Strong skills** with **hands on expertise** in cloud **architecture**, **security,** **deployment** (**Docker**, K8s),
* Programing languages: **Python, Java, Bash, PLsql**.Operation systems: **Linux**, **Android**, **Assembler**. Networking**: Cisco, Checkpoin**t and Virtualization: **Aws**, **Digital Ocean**.
* Leading design, architecture and implementation of **Automatic Deployment** solutions for large scale and complex systems, while providing clear and transparent visibility to the customers.
* Self discipline and a high work ethic, high learning abilities, accuracy and attention to the smallest details.

**Experience**

2019 - 2023 **Cyber Platform Researcher**, Synamedia

* **Cyber Platform Researcher** conducts in depth technical and operational research, with a focus on **Reverse Engineering** using **IDA/Ghidra/Frida/Burp** utilities, providing in depth analysis of the system components and resources, including **software**, **hardware**, **databases** and **network** sub systems.
* Develop multiple **web crawling** modules to gather diverse data and connect them to **Aws** services like **Athena**, **Glue**, and more.
* **Security architect** responsible for reviewing the product design and providing **vulnerability analysis** and **security requirements**, for the platform architects.
* Define the **security requirements** for the production environmentand thesecurity rules for each of the system components (**CouchBase, Mongo, Redis, Oracle**), virtualizationoperating systems(**Kubernetes,** **Docker**)and cloud platform (**Aws**).
* Review and assess the organization deployment module at the **cloud environment** including the **CI/CD** automation process.

2015 - 2018 Senior **DevOps** engineer & **Group Leader** , Cisco

* **DevOps** automation group leader, part of a global team responsible for deploying the cutting edge technologies (**Kubernetes**, **Docker** **HashiCorp** and more) on the **Aws** cloud platforms.
* Architecture design and implementation of a large scale migration project (4000 instances), including **Hybrid Network Architecture**, from **OpenStack** to **AWS**, to a **Multi-Tenant deployment** solution.
* Working as a **DevOps** engineer team member that redesign and implemented a fully automated deployment of the system, utilizing major tools and technologies such as **GitHub**, **Jenkins**, **Ansible** and **Terraform**.
* Implementation and maintenance of various deployments using various AWS services - **R53, EC2, EFS, RDS, IAM, S3, NLB, Cloudwatch, Cloudtrail, CloudFront, Lambda, Glue and API Gateway, and databases** – **Oracle**, **Mongo**, **Couchbase** and **Redis,** for **various cloud platforms** – **Openstack**, **AWS**.

2010 - 2014 **Delivery Tech lead**, NDS-Cisco

* **Architecture** **design** and **implement**, from the network and hardware layer to the component configuration, of four new major and **complex projects** at Europe in several countries - Netherland, Swichserand, Ireland and Germany
* **Hands on Tech lead** of the system engineering team leading the **integration**, **deployment** and **maintenance** of various deployments using various operating systems - **Vmware**, **Xen**.
* Define the **workflow** and relation between the development teams and test and performance tests (Functional and Non Functional) to the system, based on the customer requirements.

2008 - 2010 **Software integration engineer**, NDS

* Software engineer working on several projects performing **software** **integration**, **code review** and **performance tests** of the framework solution, written in **C/C++** and **assembler**.

2000 - 2008 **System engineer**, NDS.

**Education**

2009 - 2012  **BS.c Computer Science.** Jerusalem College of Engineering – **Grade 81.29**

**Professional Skills**

Programming Language: C / C# / C++ / .Net / PLsql / Python / Java Bash / Ansible / Terraform Operation Systems: Linux / Unix / Microsoft / OpenStack / Kubernetes / Android / Assembler

Databases: Oracle / MongoDB / Cassandra / CouchBase / Redis

Networking: Switches / Routers / Firewalls / Load Balancers / TCPIP

Virtualization: Kubernetes / VMware / Xen

Cloud: Aws / OpenStack

**Educational Programs \ Courses**

2017 Aws solution architect - professional, John Bryce

2017 Aws solution architect - associate, John Bryce

2015 OpenStack Administration, John Bryce

2012 MongoDB Essentials, John Bryce

2011 CassandraDB Essentials, John Bryce

2010 Program Management

2006 Video Compression - Mpeg 2 & Mpeg 4, Logtel

2005 Oracle 10G DBA, Hi Tech

2003 RedHat Linux Networking, John Bryce

2003 RedHat Linux Security, IBM

2003 RedHat Linux System Administration, John Bryce

2002 Oracle 8i DBA, Hi Tech

**Languages**

English, Hebrew