

## **Curriculum Vitae**

### **Personal Details**

**Name:** Guy Avraham | [avraham.guy@gmail.com](mailto:avraham.guy@gmail.com) | +972-50-443-6069 | [linkedin](#) | [github](#)

A Data Engineer and a DevOps specialist with more than 20 years of technical practical experience working on production environments which includes: MySQL/MongoDB administration, deploying as a standalone or as a multi-master architecture implementing, supporting developers and performing performance tuning tasks. An expert for Unix/Linux and Windows operation system (e.g., deploying, configuring and managing on premise, virtual machines and Docker containers), as an infrastructure architect (e.g. storage, networking), users management and security implementation at organization level.

### **Work experience**

**2009 - Present: Senior DevOps Infrastructure / Linux system specialist / MySQL DBA at [The Open University of Israel](#):**

- ✦ Serves as a infrastructure DBA for the development MySQL standalone instances and for the MySQL MariaDB clusters deployed on Linux operation system.
- ✦ Long term hands-on experience with database management, deployment and automation, database backup and restore, database configuration according to business dynamic workloads, MySQL database parameters configuration and SQL statements performance tuning.
- ✦ Experience working with both relational and non-relational databases as administrator and developer with MySQL, PostgreSQL and MongoDB as well as on Docker containers.
- ✦ Hands on Experience with cloud technologies for designing and creating data pipelines and data lakes with GCP (Cloud SQL, BigQuery, GCEs, Cloud Storage, Dataflow) and AWS (EC2s, S3, RDS/Aurora, Athena, RedShift, QuickSight).
- ✦ Serve as a data engineer for writing data integration and data ingestion pipelines using Python (Pandas, Numpy and PySpark) and ETL tools from production environments to company DWHs.
- ✦ Managing infrastructure and system DevOps elements such as: applications and databases virtual machines (Linux), network, security, database servers, storage, VMs snapshots, deployment automation.
- ✦ Supporting development teams writing in Python, PHP with MySQL SQL statements, stored procedures and functions.

### **2008 - 2009: System Engineer and Linux Specialist at Intel**

- ✦ Support technician in central computer control unit, managing servers, solving computer related mission critical problems.
- ✦ Developing automation solutions for various IT use-cases using Linux Shell such as: snapshots automation, deployment automation (services/processes), virtual machines cloning and more.

### **2007 - 2008: System Engineer at Comverse (XURA)**

- ✦ Performing infrastructure integrations between mobile data gateway systems.
- ✦ Creating automated deployment solution for Linux and Unix based operation systems and related business services according to the development the organization requirements.

### **2004 - 2007: Systems and Infrastructure Expert - Self Employed**

- ✦ Providing professional services as a system and infrastructure expert consulting for enterprises companies.
- ✦ Constructing infrastructure architecture for automation, networking, system redundancy such as mirroring, high-availability, disaster recovery, backup and restore and improving on-going operational operations for production systems.

### **2001 - 2004: Network Engineer - Refael**

- ✦ Serving as a network specialist for an advanced and complex environment.
- ✦ Providing network solutions as an SISCO switches administrator while supporting mission critical network and system issues.

### **2000 - 2001: System Engineer - Net Knowledge**

- ✦ Developing DOMINO based web applications and managing the DOMINO servers.

### **1998 - 2000: System and Network Engineer - 2001 Systems**

- ✦ Managing a VMS/NT based network server systems.
- ✦ Providing support for backup/restore operations.

## **Education**

### **2020 - 2021: Naya College Israel BigData**

#### **Engineer**

- BigData elements: Hadoop core components: HDFS, YARN
- Hadoop ecosystem services: HDFS, Hive, Impala, Kafka, Sqoop, Flume, HBase
- NoSQL: HBase, MongoDB, ELK
- Python for data engineers: Hadoop APIs including Kafka
- AWS for data engineers: RDS, Redshift, Athena, Kinesis, Glue and Lambda functions.
- Apache spark, Python
- Finished with outstanding marks.

### **2018: Naya College Israel Python for Data Analysis**

- Python fundamentals such as: data types, collections, control flow and Textual interface.
- Intermediate Python: functions, Debugging and Error Handling, extended libraries.
- Python Tools for working with Data: Numpy, matplotlib and Pandas.

### **2018: Naya College Israel MySQL Administration and Performance Tuning**

- MySQL administration: deployment, backup and restore, master-slave replication users management, configuration best practices.
- MySQL Performance Tuning: Analyzing database workload, analyzing execution plans, working with table partitions, performance tuning best practices.

### **2013: Interbit Advanced Linux Administration**

- Installation, Storage (NFS, FTP, HTTP), EXT2, EXT3& EXT4 File Systems.
- User management, run levels, network, domain naming service, LVM, RPM, backup and recovery.

### **2006: Hi-tech college**

XEN-Virtualization

### **2002: NetBrice**

CCNA

### **2000: IBM**

Domino Server Infrastructure Administration

### **1999: YEDA college graduated**

MFC/C++

## **Languages**

- ✦ Hebrew - Native
- ✦ English - Professional proficiency
- ✦ Russian – Basic

## **Others**

- ✦ EU citizen, legal rights to work in EU.