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Objective

A challenging position as a Programmer / Technical lead

Expertise

- * Platforms: Linux/Unix; Java, Windows
- * Languages: C, C++, Scala, Java, Golang, Python, Shell
- * Networking: L2-L4, TCP/IP - event driven, HTTP, SNMP, Radius, SSL/TLS, CIFS/SMB2/NFS.
- * Competence: coding/refactoring/porting of large projects; profiling and problem solving.

General skills

High competence in software analysis, design, architecture and implementation.
Self-motivated, adaptable, inquisitive: Quick learner.
Experience in development and maintenance of large scale products.

Professional experience

2020 - present **Traiana/CME Group** Tel Aviv, Israel

* Lead developer in user management project – authentication/authorization service for Traiana systems. Development and maintenance of microservices as part of the foundation services team in scala and java.

2019 - 2020 **Redhat** Ra'anana, Israel

* development of kubernetes operators that are part of the openshift control plane.

2018 - 2019 **Amazon, Lab126, vision research group** Tel Aviv, Israel

* development of Pie video streaming and processing platform for computer vision (face detection, feature extraction and face recognition).

2011 –2018 **IBM – RtC and XIV /STG division** Tel Aviv, Israel

Programmer on core team of RTC library - a journaled, compressed storage API (C++, Linux)

- * transition to continuous synchronization of file system metadata.
- * transition of main application thread into co-thread based architecture
- * implementation of deduplication feature;

Network and application Programmer (C++, Linux)

- * Programmer on the networking team for compression appliance - a network switch that intercepts CIFS/SMB2/NFS protocol messages; the product transparently compresses files on a network share.
- * change of architecture into worker thread + multiple IO threads..
- * bug fixing; contributed to a significant improvement of the products stability.

2006 - 2011 **NDS** Jerusalem, Israel

Network Programmer in headend division (C++, Java, Linux)

- * Infrastructure, Developer support and coaching
 - * Authentication servers for several NDS products; E-book DRM engines; Simulators
 - * Streaming and content delivery servers of IPTV content, DRM servers
 - * Support and development of Radius authentication server and web proxy/authentication server.
Both products are installed at customer sites with millions of users.
 - * Developed infrastructure libraries + maintainer of make system *
- Developed memory debuggers.

2005 - 2006 **GO Networks.** Tel-Aviv, Israel

Network Programmer (C++, Linux)

- * Programmer on the Access Controller team; Access Controller is a Network Access Server for wireless networks.
- * Designed and implemented a 4GL system for rapid development of administration functionality; administration access via CLI and SNMP. The system was used to implement several hundreds of administration commands.
- * Implemented firewall and walled garden subsystems.
- * Implemented captive portal web application.
- * Implemented the build system and boot image building tools.

2003 - 2005 **RADWARE.** Tel-Aviv, Israel

Network Programmer (C++, Linux, VxWorks)

- * Porting of Generic library + generic application from VxWorks to Linux * Support and development of infrastructure libraries.
- * Programmer on CT100 - high performance SSL accelerator device.
- * Refactoring/rewriting of HTTP compression code.
- * Dynamic generation of client certificates for tunneling SSL proxy/antivirus gateway functions of the SSL accelerator.
- * Implementation of CDP (Certificate distribution points).

1996 – 2002 **Sapiens Technologies Ltd.** Rehovot, Israel

System Programmer / Application Programmer (Windows)

XML Message Server helps to modernize the US Internal Revenue Service's computer systems,

The system sold for 10\$m and I was the main developer of client side products

+ XML Message Editor IDE and debugger; creates XML Instance data according to XML schemas and tests/debugs message. (C++/MFC)

+ XML Schema compilers, converts schema into Sapiens database records + reverse process. (C++)

Internet application server on NT/IIS Web Server (C++); development of infrastructure class libraries (C++);

The Internet Application server is installed at Principal, the third largest insurance company in the US.

+ WEB Administration of the product. (C++, Java/Swing); + Infrastructure libraries.

IDE for Sapiens applications (eMerge developer workbench);

+ Separation of GUI and Logic layers of the product; system Integration. (C++, MFC, DCOM, ActiveX, HTTP)

+ Protocol simulators for Sapiens application protocol; enables stress testing without backend.

Sapiens Java Middleware components are used at OneBeacon Insurance company, The deal was worth 12m\$

+ Library of COM objects that exposes the Sapiens Client/Server application protocol (C++/ATL); further took part in porting/maintenance of the Java version of this product.

+ Enterprise Java Bean wrappers of Sapiens Business Component classes, Entity beans. (prototype)

+ Porting of Sapiens Business Component classes to .NET platform; using J#.

Integrated Developer Environment of the companies Y2K remediation workbench; wrote the GUI of the product (C++, MFC)

1995 – 1996 **SuperStudio/The Learning Company** . Jerusalem, Israel

GUI and Application Programmer (Windows)

* I wrote the GUI for a multimedia encyclopedia. (C++, zApp class library + WINDOWS SDK)

1994 – 1995 **Edunetics** Herzliya, Israel

System Programmer (MS DOS)

* maintained a runtime interpreter for a multimedia programming language. (C, x86 Assembly)

* DOS drivers for sound (Soundblaster, DMA device) and video cards (VESA). (x86 Assembly),

Open source contributions

Various projects on my github page - <https://github.com/mosermichael>

CURL Loader load testing tool - <http://curl-loader.sourceforge.net/> - first developer.

Education

1990 - 1992 Hebrew University Jerusalem, Israel

Studies

BA in Computer Science

1987 - 1989 Humboldt University Berlin, Germany

Studies

Applied Mathematics.

Languages

German, English, Russian and Hebrew; fluent in any of those languages.

Personal

Date of birth: April, 26, 1970

Family status: Married + three children.

Place of birth: Berlin, Germany

Date of repatriation: August, 1989