Michael Moser
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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, PHP, javascript, Shell,
* Cloud tools: Kubernetes, AWS, docker/docker-compose
* Networking: L2-L4, TCP/IP - event driven, HTTP, SNMP, Radius, SSL/TLS, CIFS/SMB2/NFS.
* Competence: development/refactoring/porting of large projects; profiling and problem solving.
* Open source projects: https://github.com/mosermichael

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

2022 - present **Blazemeter/Perforce** Tel Aviv, Israel
* Support and development of microservices for blazemeter distributed/cloud based continuous
load testing platform.

2020 - 2022 **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 infrastructue 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

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