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**Software Engineer**

**PROFESSIONAL EXPERIENCE**

**2015–to date Software Engineer @ Israel Aerospace Industries, Lod, Israel**

Developing software for Unmanned Aerial Vehicles.

Technologies: GHS Integrity RTOS, C programing language.

**2015–2015 Software Engineer @ Hewlett-Packard, Yehud, Israel**

Developed proprietary automated software QA tool LeanFT.

Technologies: MS VS 2013, HP Unified Functional Testing (UFT), LeanFT, C#, Java.

**2014–2014 Software Engineer @ Galil Soft, Bnei Brak, Israel**

Provided software development solutions in Linux OS environment to a variety of customers, including Intel, Verint, Giraffic.

Technologies: Oracle VM Virtual Box, Linux OS, Vim & vi, Git & GitHub, Wireshark, Eclipse CDT, Understand SciTools, C/C++ programing languages.

**2012–2013 Embedded Software Engineer @ TrioSoft, Ashdod, Israel**

Developed multi-mainline irrigation controller for Netafim.

Technologies: MS VS 2012, IAR Embedded Workbench, CMX RTOS, C/C++ programming languages, multithreaded environment.

**2011–2011 Web Developer @ Gimmonix, Tel-Aviv, Israel**

Analyzed requirements, developed content, built, tested and hosted websites. Technologies: PHP, phpBB, .NET, C#, JavaScript, HTML, CSS, MySQL, Google Analytics.

**2008–2010 Police Officer @** **Ontario Provincial Police, Ontario, Canada**

Investigated public complains and charged people with federal and provincial offences. Patrolled roads and issues provincial offence notices to members of the motoring public.

**2007–2008 Computer Science Lecturer @ Trent University, Ontario, Canada**

Developed and taught courses on information systems, procedural and object-oriented programming languages (C, C++, C#), design patterns, digital logic and fundamentals of computer organization and design.

**2002–2006 Research and Teaching Assistant @ Trent University, Ontario, Canada**

Developed and implemented computer-based simulation models (C++, C#) to investigate performance of parallel job scheduling strategies. Co-authored scientific publications.

**1997–2000 Project Coordinator @ Intel, Kiryat Gat, Israel, New-Mexico, Oregon, USA**

Coordinated and oversaw proper design, installation and qualification of high-tech electronic silicon chips manufacturing equipment.

**1996–1997 Marine Electrician** @ **Israeli Merchant Fleet, Open Ocean, Far East, Europe**

Maintained secure operational condition of marine electrical systems.

**TECHNICAL SKILLS**

• OS: GHS Integrity RTOS, Windows 7/8/10, Linux (Ubuntu 12.04, 14.04, Fedora 20).

• IDEs: Eclipse, MS Visual Studio, GHS Multi, Qt framework, IAR Embedded Workbench.

• Programming languages: C, C++, C#, Java, Python, PHP, MIPS.

• Design patters: All 23 GoF design patterns in C++ and C#.

• Web development: PHP, phpBB, .NET, JavaScript, JQuery, HTML, CSS, XML, JSON.

• Databases: SQL, MySQL, MS SQL Server, Niche RMS, CPIC.

• Networking: SOCKS, Winsock, Telnet, SSH.

• Communication protocols: HTTP/HTTPS, TCP/IP, SSL, RS, Ethernet.

• Multithreading: Synchronous and asynchronous non-blocking multi-threaded programming.

• Security: Symmetric and asymmetric encryption, digital signatures.

• Version control systems: MS TFS, Git SCM, SVN, IBM Rational ClearCase.

• Installers: Wix Toolset, InstallShield, Advanced Installer, Visual Studio Installer.

• Microprocessors: PowerPC, ARM 7 micro-controller, phyFLEX-i.MX6 system on module.

• Tools: Beyond Compare, Understand Source Code Analysis & Metrics SciTool, Google Analytics.

• Miscellaneous: POSIX, Cmake, UML, MS Office, Adobe Dreamweaver, phpMyAdmin, Oracle VM VirtualBox, GDB debugger, Fiddler, Wireshark, Boost, GPSd, GStreamer, mitmproxy, Verilog HDL, HP UFT, LeanFT.

**FORMAL EDUCATION AND TRAINING**

**2011–2012** Microsoft Certified Professional Developer @ Management College of Technology, Ashdod, Israel

**2008–2009** Diploma of Provincial Constable @ Ontario Police College, Ontario, Canada

**2004–2006** Master of Science in Computer Science @ Trent University, Ontario, Canada

Thesis: ‘Workload Modelling and Internal Backfilling for Parallel Job Scheduling’

**2001–2004** Bachelor of Science in Computer Science @ Trent University, Ontario, Canada

**1992–1993** Diploma of Technician, Marine Electricity and Control @ Mevoot Yam Marine Technological College, Mikhmoret, Israel

**1990–1992** Matriculation Certificate, Marine Electricity and Control @ ORT Yami, Ashdod, Israel

**MILITARY SERVICE**

**1993–1996 Marine Electrician @ Israeli Navy (Shayetet 13)**

Maintained secure operational condition of naval electrical systems.

**SPECIALTIES**

Research, analysis, computer programming, instruction and coordination.

**LANGUAGES**

English, Hebrew, Russian.

**REFERENCES**

Degrees, transcripts, scientific publications, letters of reference and commendation as well as award certificates will be furnished upon request.

**TRAVEL**

Israeli and Canadian passports as well as readiness to travel/relocate anywhere anytime.