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## Software Engineer

### PROFESSIONAL EXPERIENCE

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

Designing and developing software for unmanned aerial and ground vehicles.  
Writing technical documentation.

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

Developed proprietary automated software QA tool LeanFT.

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

Provided software development solutions in Linux OS environment to clients.

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

Developed multi-mainline irrigation controller for Netafim.

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

Analyzed requirements, developed content, built, tested and hosted websites.

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

Investigated public complains and charged people with federal and provincial offences.

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

Developed and taught courses on information systems, procedural and object-oriented programming languages, 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 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

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- OS: Windows 7/8/10, Ubuntu 18.04, GHS Integrity RTOS
- IDEs: MS Visual Studio, Eclipse, GHS Multi, Qt Creator, IAR Embedded Workbench.
- Programming languages: C, C++, C#, Java, Python, PHP, MIPS.
- Design patterns: GoF design patterns in C++, C#.
- Web development: PHP, phpBB, .NET, JavaScript, JQuery, HTML, CSS, XML, JSON.
- Databases: SQL, MySQL, MS SQL Server, Niche RMS, CPIC.
- Networking: RTI DDS, SOCKS, Winsock, Telnet, SSH.
- Communication protocols: TCP/UDP, HTTP/HTTPS, SSL, RS, Ethernet.
- Multithreading: Synchronous and asynchronous non-blocking multi-threaded programming.
- Security: Symmetric and asymmetric encryption, digital signatures.
- Version control systems: Git SCM, MS TFS, 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: MS Office, Beyond Compare, Wireshark, Packet Sender, Google Analytics, Adobe Dreamweaver, phpMyAdmin, Oracle VM VirtualBox, Understand Source Code Analysis & Metrics SciTool.

## FORMAL EDUCATION AND TRAINING

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- 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 @ Mevot Yam Marine Technological College, Mikhmoret, Israel
- 1990–1992** Matriculation Certificate, Marine Electricity and Control @ ORT Yami, Ashdod, Israel

## MILITARY SERVICE

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- 1993–1996** **Marine Electrician @ Israeli Navy (Shayetet 13)**  
Maintained secure operational condition of naval electrical systems.

## SPECIALTIES

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Research, analysis, computer programming, instruction and coordination.

## LANGUAGES

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English, Hebrew, Russian.

## REFERENCES

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

## TRAVEL

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