LinkedIn: **Mikhail Jacques**   E-mail: mjack@iai.co.il
GitHub: **Mikhail Jacques**   Cell: +972-(0)52-507-7979

Software Engineer

PROFESSIONAL EXPERIENCE

2015–to date Software Engineer @ Israel Aerospace Industries, Lod, Israel
Designing and developing software for unmanned aerial and ground vehicles.
Writing technical documentation. Programming languages: C, C++

2015–2015   Software Engineer @ Hewlett-Packard, Yehud, Israel
Developed proprietary automated software QA tool LeanFT. Programming
languages: C#, Java

2014–2014   Software Engineer @ Galil Soft, Bnei Brak, Israel
Provided software development solutions in Linux OS environment to clients.
Programming languages: C, C++

2012–2013   Embedded Software Engineer @ TrioSoft, Ashdod, Israel
Developed multi-mainline irrigation controller for Netafim. Programming
languages: C, C++

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

- 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

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.