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PROFFESIONAL SUMMARY

Software Engineer with a proven track record spanning over 12 years, specializing in the development of real-time, desktop, embedded, and web applications. Expertise in C, C++, C#, and Python programming languages. Demonstrated proficiency in steering full software development life cycles encompassing requirements gathering, algorithm development, implementation, and testing. Skilled in harnessing cutting-edge AI tools, crafting comprehensive technical documentation, and undertaking meticulous research. Adept at delivering engaging instructional content and fostering knowledge transfer.

PROFESSIONAL EXPERIENCE

2015 - Present Software Engineer @ Israel Aerospace Industries - Malat, Israel

Design and develop real-time and desktop software for UAV systems using C, C++, C#, and Python. Manage software engineering life cycles, including requirement gathering, architecture design, implementation, testing, and delivery.

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

Developed LeanFT, a proprietary automated software tool, using C# and Java.

2014 - 2014 Software Engineer @ Galil Soft, Bnei Brak, Israel

Provided software development solutions to clients using C++.

2012 - 2013 Embedded Software Engineer @ TrioSoft, Ashdod, Israel

Developed multi-mainline irrigation controller for Netafim using C++.

2007 - 2010 Computer Science Lecturer @ Trent University, Ontario, Canada

Developed and taught courses on information systems, programming languages, and computer organization.

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

Developed computer-based simulation models for parallel job scheduling strategies. Co-authored scientific publications.

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

Coordinated design, installation, and qualification of electronic silicon chip manufacturing equipment.

TECHNICAL SKILLS

- Programming Languages: C, C++, C#, Python
- OS: Windows, Ubuntu, GHS Integrity RTOS
- Design Patterns: GoF design patterns in C++, C#
- Networking: RTI DDS, SOCKS, TCP/UDP
- Version Control: Git, MS TFS, SVN, IBM Rational ClearCase
- IDEs: MS Visual Studio, VS Code, PyCharm, Eclipse, Qt Creator, GHS Multi, Qt Creator
- AI tools: ChatGPT 4, Google Bard, Amazon CodeWhisperer
- Management tools: Microsoft Azure, Jira
- Auxiliary tools: MS Office, Beyond Compare, Wireshark, Packet Sender

FORMAL EDUCATION

- 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.

LANGUAGES

English, Hebrew, Russian.