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| Hagay Onn**Cellular: +972-544-956239****Email:** hagayo@gmail.com**Address:** 8A, Gruzenberg St. Tel-Aviv, Israel 658110;  |
| **Profile** | Born in Tel-Aviv, Israel, on 1st of December 1976. Served as a soldier in the Israeli Defense Forces (MAMRAM), 1995–1998. Graduated the Technion University, Haifa, 1998-2002, B.Sc. in Computer Engineering. Have a broad knowledge-base in Network/Web/Mobile/Advertising protocols and eco-systems. Achieved work-experience in a wide range of industries, varying from Product/SW/systems optimizations (cost/load/capacity/security/response-time) and high-programming paradigms, to low-level System-On-Chip (SOC/RT) computer engineering. Have an excellent communication and teamwork skills as well as high problem-solving capabilities and motivation. |
| **Education** | **Technion** - **Israel Institute of Technology, Haifa, Israel, 1998 – 2002.**Bachelor of Science in Computer Engineering, GPA 3.7 / Average 84.3.Finished first 2 years with honors. |
| **Experience** | **SW-Architect. Flash-Networks Ltd. Hertzeliya, October 2014-Current.*** Design solution's algorithms & implementations and lead product optimizations.
* Invent and present new business development options/plans using available data.

**Work examples:** Yield-Management entity/layers/APIs, efficient Device-Recognition by user-agent strings, programmatic identification & classification of webpages statically & dynamically (page-subjects, e-Commerce products & related-products, IAB categorization, etc.) Product-wide SW code & flow optimizations offering, Design & implementation of all Google Analytics services (ARTA-Analytics Real-Time Activity Alerter for multiple accounts, Automatic Dashboards creation for external clients, ARD-Analytics Reports Distributer, Excel plugins for external Content-Suppliers Revenues reports), Quality Of Experience (QoE) researches and management system that automatically notifies IT and other support-elements on users’ device/browser/OS issues (<http://hagai-tech.yolasite.com/>).**Technology-Researcher. Flash-Networks Ltd. Hertzeliya, March 2013-Current.*** Research and implement POC projects (Python) for different technology aspects. Examples: Linux network modules optimization, Mobile-TCP/HTTP algorithms performance & throughput optimizations, mobile/air communications (RRAN, SDN development), URL page categorization & subject extraction, generic improvements for page-load times over the air (caching & lazy-loading resources), SEarch-Results Pages (SERP) & Transactions-Logs patterns analysis for multiple purposes.

**Technology-Consultancy. Hagay-Tech, Tel-Aviv, Israel, 2011-2013.*** Expert consultant via Real-time, Web and Mobile systems. From design to integration at client site - full systems development.
* Product Optimizations – research and analyze current patterns to apply performance/efficiency/cost per volume recommendations.
* Web architecture, design and implementation consultant services.(Client & Server sides, performance, stability, security & user-experience issues)
* Software solutions for embedded systems (FW, drivers, host-agents, etc).
* Business & Personal Sites - setup, design, SEO, SQL & Cloud DB operations.
* Languages: Java, C, C++, Python, SQL, HTML, CSS, JavaScript, jQuery, Ajax.
* Clients: ELBIT, Embedigen, Mind-Cite, Rada, XtremIO, YooLoo, Toro-Ventures, PlayMyTone (+ CTO position for 4 months).

**Senior Server & Client Developer. WIX, Tel-Aviv, Israel, 2010-2011.*** J2EE Server-side over Tomcat Apache app server with Spring 3.0 development.

MVC work-mode with Velocity tool, MySQL database, working with Google Analytics tool & Alexa Amazon Web Services (AWS) APIs & scripts.* C# back-end service for calculating page-rank and SEO reports.
* Client-side development - jQuery, Ajax, HTML, CSS, JavaScript, JSON.
* Implemented 2 applications from start to production for premium-users: <http://promote.wix.com/directories>, http://advertising.wix.com/seogui. The 1st for user-sites automatic registration to index directories (like Bing etc). The 2nd for user's sites SEO optimization and reports.
* Wrote inner-company documentation for using IntelliJ & Spring 3.0 platform with WIX server-side Framework architecture. (Coding-rules, Tutorial guides, examples, 3 different web-controllers reference-application Web/Ajax/REST)
* Developed Maven plug-in for custom annotations project documentation.The plug-in creates a site with the project's javaDoc & company's custom annotations reports and a list of all project's error codes and exceptions.
* Implemented automatic server-side users-mailing system for events+ client UI.
* Experience: Java, C#, JS, jQuery, Ajax, HTTP, JSON, JAXB protocols.

**Freelancer Consultant & Sub-contractor of Embedigen. Hagay-Tech, 2008-2010.*** Marketing & Technology Consultancy for small/medium companies.
* Developed firmware and compatible drivers for various platforms (SoC/USB).
* Design, development and integration of cellular communication projects.
* Implemented drivers, mobile & host agents for Win-Mobile6.0 / Win-CE OS.
* Implemented PPP full protocol stack (4 levels) for propriety VX-Works OS.
* Wrote documentation & guides for various system and coding patterns for the client's employees (dedicated for inner clients and new developers).
* Vast knowledge in communication protocols – HTTP,TCP/IP, UDP, IPCP, PPP.
* Web-sites design, setup and promotion (Google Ad-Words) for small businesses.
* Experience: Assembly, C/C++, Java, HTML, CSS, JavaScript, Photoshop design.
* Clients: Comsys, RADA, Consonance, Embedigen, TopKir.

**SW Developer. Vollee/Game-stream, Hertzeliya, Israel, Feb 2007 – May 2008.*** C/C++ development and integration of 3D game application’s client into BREW platform (Nokia devices) and WIPI OS (Korean handsets)
* TCP/IP related work, video streaming UDP packets under heavy load, using phone peripherals standard interfaces.

**FW Engineer. SanDisk (MDRM), Petah-Tikva, Israel, Mar 2005 – July 2006.*** UML design & C/C++/Assembly development of Secure-Embedded Firmware and compatible drivers for USB 2.0 disk-on-key flash card. Wrote the company’s guides for using different tools for FW verification/configuration/burning phases.

**SW Developer & Research Engineer. RAFAEL, Israel, Mar 2001 – Sep 2003.** * UML Design & C/C++ Development of RF (radio) IP-network communication system and components for VX-Works OS.
* Driver, device & MMU implementations for AMD641 Flash.
* Automation Test module for Motorola PowerPC 8260 controller.
* Generic architecture design and implementation for Video-Controlled system over VxWorks / Windows / RTXC OS.

**Software Developer. P-Cube, Hertzeliya, Israel, 2000 - 2001.*** Java & C++ interfaces development for long-distance control & management of high-speed propriety router.

**ERP Developer & NT sys-Admin. Penta-Com, Hertzeliya, Israel, 1999 - 2000.*** Development of ERP software reports. Language experience: Progress.

**Computer Programmer. Israeli Defense Force (IDF), Israel, 1995 - 1998.*** Finished VAX-computers course with honors (Average 96.7).
* Served at the Military Advocate General's Corps. Designed and developed 2 major systems in Magic 4.2-5.6 for Novell-3.12 based communications (still in use today)
* Data mining of main frames and distributed systems.
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| **Languages** | Hebrew - mother tongue, English – excellent, Italian – basic/studying. |
| **Hobbies** | Writing & reading, Gong-Fu, Juggling, skydiving and rain-making. |