

Alon Ashkenazi – CV

Birth year: 1987 || Mobile: +972-52-6222919 || Email: Alonashkenazi@gmail.com

Security clearance: Top secret (valid)

Main capabilities:

- Rich experience in leading planning and development of innovative complex modern systems using agile and DevOps methodologies and tools
- Designing complex systems for micro-services architecture using Kubernetes and Docker Containers
- Assessing complex architectures for vehicles and various cloud providers for vulnerabilities and possible remediations
- Vast experience providing architectural and technological consultancy to large enterprises (e.g. Amdocs, Menora, Tehila, Leumi Bank, Ministry of Defense, Ministry of Justice, Converse, Maccabi, Clalit, and more)
- R&D project Management leading teams, managing project plans (deliverables, budgets and schedule)
- Notable expertise managing gateways, IPS's, security platforms and network monitoring tools
- Hands on Security and Cyber expert for on-Premise and cloud topologies including consultancy, designing and developing secured systems, penetration testing, end-to-end team guidance
- Highly motivated, high self-learning capabilities and complex problem solving abilities
- Great familiarity with various IBM platforms, security solutions and development environments
- BSc in Computer Science and Mathematics

Professional experience

2018 – Present: Cyber Security Specialist at CYMOTIVE:

- Conducting in-depth risk assessments for specific modules and entire systems both in-vehicle and in the cloud
- Performing architecture reviews and redesigns for connected cars, backend applications, and internal vehicle functionalities from the concept stage and onwards
- Finding innovative solutions to mitigate high-level risks where no known methods are applicable
- Leading IT teams on the path to secure development and secure infrastructure deployment
- Development of end-to-end security standards and best practices
- Investigation of relevant technological innovation in the field of IT security for connected cars

2016 – 2018: Cyber Solution Architect at Matrix Defense:

**(partial information due to classified role)*

- Design and implementation of various cyber security projects in offense and defense
- Risk analysis and vulnerability assessment
- R&D for cyber security projects in innovative fields
- R&D Project management working in agile development using micro-services architecture and containers

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- Experience with various rare open source and commercial cyber security products
- In Depth experience with many Static Code Analysis tools (e.g. GrammaTech CodeSonar, Coverity CodeAdvisor, Checkmarx CxSAST, IBM AppScan Source for Analysis, RogueWave Klockwork)
- Experience with Penetration testing platforms such as: Kali Linux (and all of its components, burp, etc.), AppScan Standard, OpenVAS and more
- Analyzing communication protocols and network behavior
- Machine Learning with TensorFlow
- Vulnerability assessment for container architectures

2015: Security Engineering Team Leader at FireLayers:

- Security analysts Team Leader responsible for managing long term project plan to make sure meeting sprint delivery expectations (deliverables, schedule and budget)
- Research of various defense mechanisms such as Checkpoint Sandbox (Threat Emulation), cloud based attacks, encryption mechanisms, etc. in order to bring to life innovative new solutions in cloud security
- Web Application reverse engineering to create additional protection layers generating policies for threat prevention through a reverse proxy
- Research in various cyber security fields (malware analysis, SSL/Session Tampering, etc.)

2010 – 2015: SOA and Security consultant and programmer at Tangram (Matrix):

- **SOA & Security consultant at several organizations on behalf of Tangram (Banks, Amdocs, Comverse, Insurance companies, Government offices, Israeli Army):**
 - SOA secured development consultancy for systems integration using WebSphere DataPower
 - Task manager, leading a team that included local and remote developers abroad
 - Hand on experience in locating & preventing various cyber-attacks and malware intrusions
 - Finding threats & malwares – using AppScan Suite products, QRadar, Burp, Wireshark, etc.
- **Programmer at Migdal & Menora Insurance companies:**
 - Designing & developing business processes using WebSphere Integration Developer on BPM WPS, including designing of all the DB activities (e.g. ERD, SQL queries, optimization, etc.)
 - Designing & developing JSP and Java processes using Rational Application Developer
 - Development of multi-channel messaging system using Java, BPEL, WebServices, DB2
 - Establishing Aluna's lab (part of Tangram group) for WPS & SOA IBM's tools, exploring development capabilities, and creating best practices & guidance materials for other programmers

2009 – 2010 Websites development:

- Designing & Developing various websites, mainly using .net & SQL Server including optimization
- Developing management & control tools such as intelligent analysis system Ariel University
- Developing innovative digital & interactive photo albums

2008 - 2009 computer operator at Leumi Bank – Matrix (in parallel to army service):

Operating & controlling of nightly batch tree, including proactive problem solving to ensure valid completion of End-of-Day banking activities

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2005 – 2008 Military Service: Full military service

Education:

- 2012 – 2013: CSI (Cyber Security Intelligence) hands on
Course covered in depth the topics of Network infrastructure, Attack and Defense Modules
- 2009 – 2013: BSc in Computer Science and Mathematics at Ariel University
- 2010: Developing Applications for WebSphere Process Server v7 at IBM, Oracle Service Bus at Oracle
- 2006 - 2007: John Bryce - Microsoft .NET Programmers for Knowledge-Intensive Environments and Technology including a project of 1,000 hours with final score of 100
- Additional qualifications: IBM WebSphere DataPower v5.0, IBM Tivoli Monitoring Fundamentals v6.2.3, IBM AppScan Dynamic Analysis 9.0.1

Main technologies:

- **Methodologies:** SOA, N-Tier, Object Oriented, SDLC, BPM, Event Driven, Micro Services, Agile, DevOps, etc.
- **Development languages:** Python, C#, XSLT, WCF, ASP.NET, Java, JSP, J2EE, HTML, JavaScript, ANT, CSS, MatLab, C, C++, Haskell, Prolog
- **Data Bases:** DB2, Oracle, SQL Server, MySQL, PostgreSQL, MongoDB, Elastic Search (ELK)
- **Operating systems:** Linux, Unix, Windows, Mac OSX
- **Security & Cyber Platforms and tools:** IBM DataPower, IBM API Connect, KALI, Metasploit, Burp Suite, Aircrack-ng suite AppScan Standard, AppScan Source for Analysis, WireShark, Snort, IBM QRadar, IDA Pro, CheckPoint Firewall, Fortinet Firewall, IP-Tables, UFW, Comodo MyDLP, ModSecurity, Imperva, Symantec Scan Engine, GrammaTech CodeSonar, Checkmarx CxSAST, RogueWave Klocwork, Coverity (Synopsis) CodeAdvisor, many open-source Static analysis tools and many more
- **Agile and DevOps tools:** Docker, Git, GitHub, JIRA, Jenkins,
- **Application Servers:** IIS, WebSphere, Tomcat, Apache
- **Additional technologies:** AWS, WebSphere Process Server, Oracle SOA Suit, Rational Application Developer, IBM Integration Developer, LDAP, IBM ITCAM, WebSphere Integration Developer, Visual Studio, VMWare WorkStation/vSphere, VirtualBOX, OAuth2.0, REST services, micro-services, etc.

Languages: Hebrew – native language | | English – native language level

Recommendations: will be provided upon request