Avishay Bar

👥 Personal

Name	**Avishay Bar**
Address	**Rosh Haayin, Israel**
Email	**avishay.il@gmail.com**
Date of birth	**23-11-1989**
Nationality	**Israel**
Website	**https://avishay.co.il**
LinkedIn	**https://www.linkedin.com/in/avishaybar/**

☰ Introduction

Security Architect with strong engineering foundations. I have experience on cloud architecting and engineering, back-end, front-end and mobile development. At the moment, I'm doing my mastery on securing AWS environments.
In my spare time I like to do home automation, break and mess with all kinds of devices and maintain my home kubernetes cluster.

💼 Work experience

Security Architect   May 2020 - Present

CyberArk, Petah Tiqwa

- Security Architect for R&D group delivering SaaS platform on AWS. Working across a development group of ~30 developers, reporting to R&D Group Manager
- Building a secure SDLC process & strategy across the group development teams, writing policies, processes & procedures, and enforcing them on group activities on an agile methodology.
- Ongoing risk management and severity assessment for incoming findings and vulnerabilities. Feeding security requirements for features and working with development teams to prioritize them as part of the secure SDLC.
- Leading application security, threat modeling, and hardening efforts across group activities & technologies, such as operating systems, containers, and serverless infrastructure
- Leading compliance efforts for security standards & best practices, such as SOC2, CSA CAIQ, and FedRAMP
- Working with IT and company stakeholders to lead PoC & procurement efforts for required 3rd party security software
- Organize and present security educational activities to the group members, while acting as a trusted advisor to other R&D teams and R&D central security team

Cloud & DevOps Engineer   Jun 2018 - May 2020

CyberArk, Petah Tiqwa

- Creating the templates & orchestration tools required for deploying CyberArk products at scale on-premise, in the public/gov cloud providers (AWS, Azure), and VMWare
- Building automatic testing environments & CI/CD pipelines. Managing and maintaining CI/CD software & servers on AWS
- Architecting cloud solutions that natively integrate company software solutions with public cloud environments
- Promoting creative ideas and internal projects as part of a continuous improvement attitude and technology transformation of the organization for moving to the cloud and offer IAAS & SaaS solutions

R&D Team Leader   Apr 2015 - Jun 2018

Geektime, Tel Aviv, Israel

- Leading a team of developers, designers & freelancers, reporting to the company CEO.
- Introducing new technologies to the development team, working in agile methodology.
- Curating content & lectures for Geektime developers conference.
- Development & support Geektime's web applications, mobile apps for iOS & Android.
- Finding new product ideas, maximizing business value from Geektime existing products.

Full Stack Developer
Mar 2013 - Apr 2015

Geektime, Tel Aviv, Israel

- Develop, maintain and support Geektime.co.il and Geektime.com SaaS web applications.
- Working on both front-end and back-end technologies - WordPress, PHP, JQuery, JavaScript.
- Gathering requirements from the management and other company teams (Sales, Editors & Writers, Data Intelligence) and execute them in production

Freelance Web Developer
Mar 2015 - Apr 2017

Self-Employed, Tel Aviv, Israel

- Working with a graphic designer and implement its designs on customer's websites
- Implementing custom functionalities to WordPress web applications by the customer needs

R&D Consultant
Jul 2013 - Aug 2014

Rightcode, Tel Aviv, Israel

- Working and researching tech area for creative ideas at an innovative space.
- Building innovative POCs for large retail companies (confidential).

Technology Correspondent
Jan 2011 - Jan 2013

Geektime, Tel Aviv, Israel

- Working as a technology reporter for Geektime.co.il website.
- Review gadgets and interesting products on the website.
- Covering technology news stories.
- Covering the global and local tech & startup scene, making meaningful connections in the startup & high-tech industries, analyzing the local scene, and sharing personal thoughts about companies and technologies.

Web Development Intern
Dec 2007 - Apr 2008

Check Point Software Technologies, Tel Aviv, Israel

- Development of several backend projects on internal and international Check Point websites.

👤 Interests

Home Automation, Computer Vision

💬 References

References available on request.

🖱 Skills

AWS
Expert

Python
Skillful

ReactJS
Skillful

Ansible
Experienced

Bash
Skillful

React Native
Skillful

📋 Courses

AWS Solutions Architect - Associate
Amazon Web Services

Security Engineering on AWS
Amazon Web Services

Advanced Architecting on AWS
Amazon Web Services

Product Management
Elevation Academy

🌐 Languages

English
Fluent

Hebrew
Native

☰ Publications

- https://avishayil.medium.com/why-hosting-your-blog-on-github-pages-is-great-for-your-career-b03c9dfa8ec0
- https://medium.com/cyberark-engineering/how-gitsecops-can-help-you-achieve-least-privilege-7f2ba883ab75
- https://avishayil.medium.com/pro-tip-allow-access-to-aws-programmatic-accounts-from-specific-ip-addresses-59056a36dc0
- https://avishayil.medium.com/testing-ansible-roles-on-windows-hosts-using-test-kitchen-and-aws-b6aa69e8b29
- https://avishayil.medium.com/dynamic-dns-using-aws-route-53-60a2331a58a4
- https://avishayil.medium.com/deploy-to-elastic-beanstalk-using-bitbucket-pipelines-189eb75cf052

☰ Open Source Projects

- https://github.com/avishayil/react-native-restart - React Native library with approx 140k downloads/month
- https://github.com/avishayil/react-native-user-avatar - React Native library with approx 7k downloads/month
- https://github.com/avishayil/caponeme - Vulnerable cloud environment mocking Capital One breach for educational purposes
- https://github.com/avishayil/python-snyk-test - CLI package that wraps snyk API
- https://github.com/avishayil/corona-health-statement - React web application rendering health statement form for kids
- https://github.com/avishayil/home-cluster - Repository contains my home kubernetes cluster deployment, deployed with fluxcd

☰ Achievements

- Lectures on development & security conferences, meetups and webinars
- Building secure SDLC and strategy for R&D group from scratch

- Major impact on improving company solutions deployment time, internal testing and delivery to customers using automation
- Migrating company infrastructure from local ISP provider servers to AWS cloud