

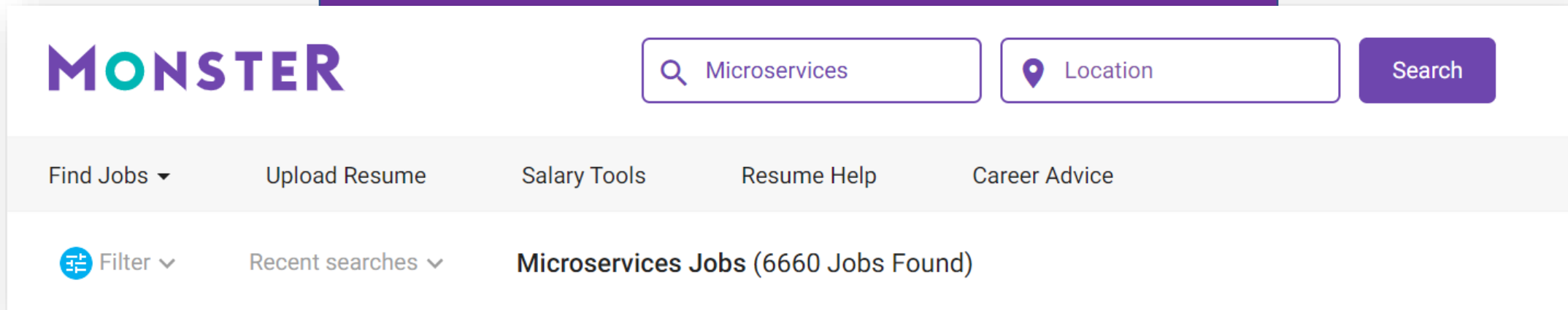
Microservices Security The Complete Guide

Memi Lavi
www.memilavi.com



Why Microservices?

The Most Popular Architecture Paradigm



The image shows a screenshot of the Monster.com website's search interface. At the top left is the 'MONSTER' logo. To its right are two search input fields: the first contains the text 'Microservices' and the second contains a location pin icon followed by the text 'Location'. A purple 'Search' button is positioned to the right of these fields. Below the search bar is a horizontal navigation menu with five items: 'Find Jobs' (with a dropdown arrow), 'Upload Resume', 'Salary Tools', 'Resume Help', and 'Career Advice'. Below this menu is another row containing a 'Filter' button (with a dropdown arrow), 'Recent searches' (with a dropdown arrow), and the text 'Microservices Jobs (6660 Jobs Found)'. The entire interface is presented with a slight drop shadow against a white background.

Generates a Lot of Buzz...

Companies Using Microservices

The Netflix logo, featuring the word "NETFLIX" in white, bold, sans-serif capital letters with a 3D effect, set against a solid red rectangular background.The Facebook logo, consisting of the word "facebook" in white, lowercase, sans-serif font, with a registered trademark symbol, set against a solid blue rectangular background.The Amazon logo, featuring the word "amazon" in a bold, black, lowercase sans-serif font, with a curved orange arrow underneath it pointing from the 'a' to the 'z'.The Uber logo, featuring the word "Uber" in a bold, black, sans-serif font, with the 'U' capitalized and the rest in lowercase.The eBay logo, featuring the word "ebay" in a lowercase sans-serif font, with each letter in a different color: 'e' is red, 'b' is blue, 'a' is yellow, and 'y' is green.

Why Security?

ZDNet  [CXO](#) [HARDWARE](#) [MICROSOFT](#) [STORAGE](#) [INNOVATION](#) [APPLE](#) [SECURITY](#) [MORE ▾](#) [NEWSLETTERS](#) [ALL WRITERS](#)

 MUST READ: [AI and the coronavirus fight: How artificial intelligence is taking on COVID-19](#)

Online casino group leaks information on 108 million bets, including user details

Server is now down but is unclear if the cloud provider took it down and if the parent company knows it leaked users details in the first place.

The New York Times

Equifax Says Cyberattack May Have Affected 143 Million in the U.S.

By [Tara Siegel Bernard](#), [Tiffany Hsu](#), [Nicole Perlroth](#) and [Ron Lieber](#)



Large DDoS attacks cause outages at Twitter, Spotify, and other sites

Darrell Etherington, Kate Conger / 3:31 pm IDT • October 21, 2016

 **threat**  [Cloud Security](#) / [Malware](#) / [Vulnerabilities](#) / [Waterfall Security Spotlight](#)

 [Malware Hunter Crawls Internet Looking for RAT C2s](#)

DDoS Attacks Can Cost Businesses Up to \$2.5M Per Attack, Report Says

Non-Secure System Will...

Destroy your reputation

Kill the business

May cause criminal charges

What We Will Learn

What are microservices

Basics of Software Security

Securing app, network, data and more

Securing microservices

VERY Practical (checklist, examples)

Practical Calls to Action

Threat Modeling

Application and Data Security

Microservices and Security

Logging and Monitoring

Call to Action

After learning about logging and monitoring, let's put it to action using this Call to Action document.

In this document you can find actionable tasks that will help you implement logging and monitoring in your system.

1. Make sure there's a central logging service in your system

Every microservices system must have a central logging service to collect the logs generated by the various services. This service can be a product, such as the ELK stack, or an in-house developed service. This service should be able to receive a large amounts of log records, store them, and allow running analysis on them

The central logging service in the system is

By the End of This Course...

- You'll know what microservices architecture is
- You'll know what problems it solves
- You'll know the principles of secure software
- You'll know how to secure microservices system
- You'll become a much better Software Architect!

But That's Not All...

At the end of this course -

Download the Microservices security checklist!

The ultimate practical, step-by-step guide to help you
design secure microservices architecture!

Who Am I?

Senior Software & Cloud Architect

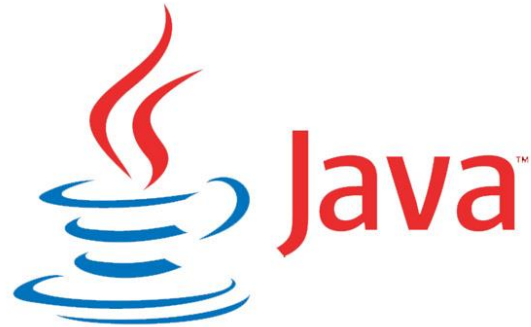
Memi Lavi
www.memilavi.com



My Clients



My Technology Stack



Azure Certified



Speaker



 **DevDays**

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Venue



Memi Lavi

Independent Consultant,
Israel

Who Is This Course For?

- Architects
- Development Background
 - Developer, Team Leader, Dev Manager...
- Preferably with some experience
- Preferably with Backend Development Experience
- Anyone who wants to learn about microservices and security

Agenda

