Microservices
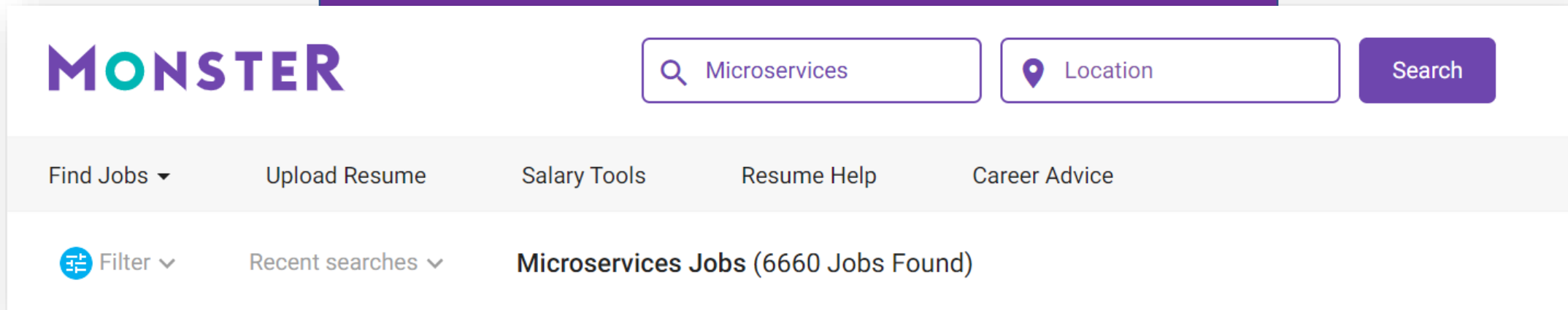# Security
The Complete Guide

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Why Microservices?

The Most Popular Architecture Paradigm

MONSTER

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Generates a Lot of Buzz…

Companies Using Microservices

Why Security?

ZDNet — 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

threatpost — 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!
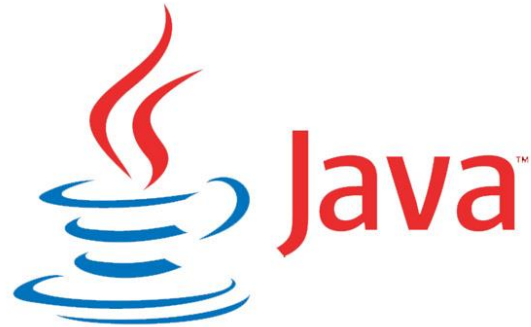
Who Am I?

Senior Software & Cloud Architect

Memi Lavi
www.memilavi.com

My Clients

My Technology Stack

Azure Certified

Speaker

BUY TICKETS

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