

Software Architecture Series:

Microservices

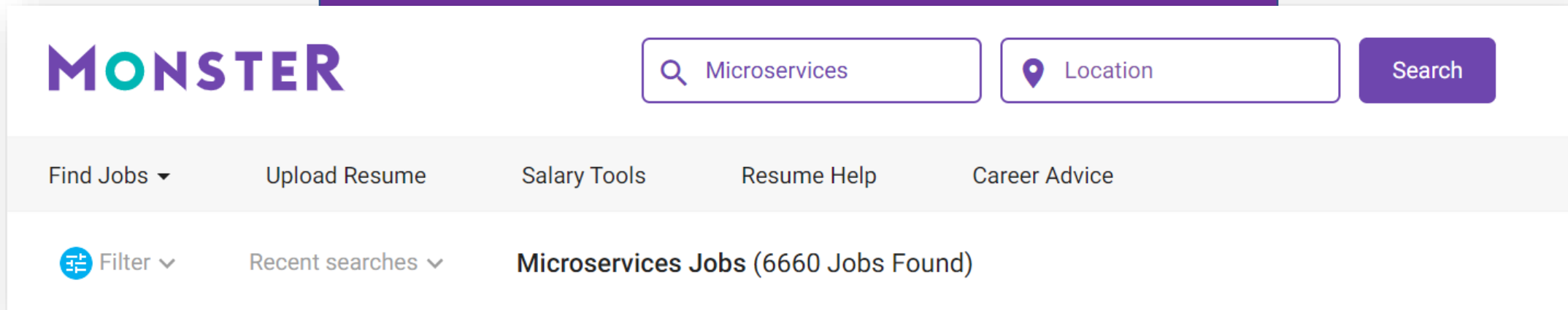
The Complete Guide

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 to the right of these fields. Below the search bar is a horizontal navigation menu with links: '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.The eBay logo, featuring the word "ebay" in a lowercase sans-serif font where each letter is a different color: 'e' is red, 'b' is blue, 'a' is yellow, and 'y' is green.

But...



But...

"If microservices are implemented incorrectly or used as a band-aid without addressing some of the root flaws in your system, you'll be unable to do new product development because you're drowning in the complexity."

Alexandra Noonan, Engineer, Segment

Microservices Architecture

- You have to know:



If



How

- Or...

Microservices Architecture



To Microservices and Back Again - Why Segment Went Back to a Monolith



Istio as an Example of When Not to Do Microservices

A microservices approach may be appropriate — but Microservices is not THE "utopian application architecture".



Microservices guru warns devs that trendy architecture shouldn't be the default for every app, but 'a last resort'

By the End of This Course...

- You'll know what microservices architecture is
- You'll know what problems it solves
- You'll know how to design a robust, scalable, easy to maintain microservices architecture
- You'll know when NOT to use microservices architecture
- You'll become a much better Software Architect!

But That's Not All...

At the end of this course -

Download the Microservices Checklist!

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

Who Am I?

Senior Software & Cloud Architect

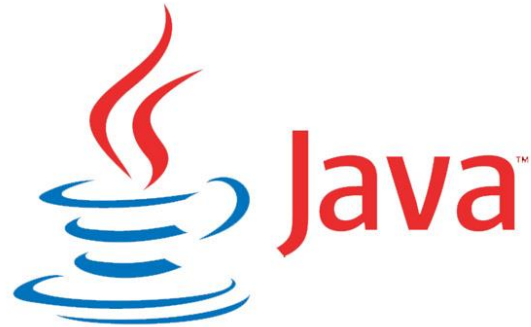
Memi Lavi
www.memilavi.com



My Clients



My Technology Stack



Azure Architect



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 architecture

Agenda

