



SPARKING YOUR AGILIT
AND TECHNICAL
EXCELLENCE!





WHO ARE WE?

We are a boutique company that strives to help our customers become more efficient and effective by providing the right technical solutions, guidance, and development fire power, exactly when and where they are needed.

We specialize in the following areas:

- Back-end development Enterprise application development and architecture using Java, C#, Spring, Scala, NoSQL.
- Web and Front-end development and architecture using React, Angular, Vue, Node.js, and Typescript with performance and maintainability in mind.
- DevOps building and supporting CI/CD pipelines and Cloud, using modern technologies such as Docker, Ansible, Kubernetes, and Istio.
- Testing and automation building automated testing systems for Web, mobile, and APIs
 using the latest tools and technologies.
- Engineering practices helping engineers produce code in an Agile way while "fighting" technical debt and creating a culture of speed and excellence: TDD, Unit testing and test automation, Refactoring, Breaking monoliths.

WHY CHOOSE US?

Experience, experience, experience. Founded in 2008.

We understand Development and Operations of software. From the processes level (Agile, Lean, DevOps), to testing strategies, clean coding, emerging architectures, all the way to coding standards and automation.

We specialize in solving hard problems and provide hands-on experts to work with your teams, coach them and help them achieve their goals quickly.

We understand your needs. By getting into the picture and understanding your unique context, we can quickly provide a matching solution.

We are easy to work with! Quick and efficient administration. Speedy response time. Accurate and flexible solutions.



WHAT OUR CLIENTS HAVE TO SAY?

AgileSparks

Excellent







Excellent class.

Highly recommended. - Very thorough Very well organized. Excellent 4-day class that was full of useful material.

Yaki Koren was a great instructor and he explained the material thoroughly. I would have liked some kind of summary on the 'how to's with a systematic overview because doing it while the practical lesson is taking place is challenging.

Good and comprehensive course.

Moti was professional, knows perfectly the material. He was attentive to the needs of the people.

All main subjects and knowledge were transferred and people gave good feedback and felt they gained knowledge.

A lot of added value from Moti himself beside the martial of the course.

Precise Content, well delivered.

The content was precise, well delivered. The session was very interactive with sufficient videos and quiz.

It was a very nice course, Moti was an excellent tutor.

Best. Class. Ever.

Excellent instructors, excellent conversations, excellent learning!

Great experience with a good mix of theory, practice and O&A's.

Fantastic class.

Being all remote was a smooth experience.

Knowledgeable and dedicated to the training and everything was perfect.

Very informative! Very good teacher!

Nice course, got the basics of k8s.

Great trainers!!!

Engage and able to answer at all participants questions.

Kubernetes course by Agile sparks

Kubernetes course held by Moti was really great. It seems that Moti really controls the material extremely well. The topics in the course were exactly what I needed to get my started with Kuberentes ...

The course was very good.

AgileSparks' technical lectures series includes talks on a variety of subjects.

The goal of these talks is to introduce advanced and cutting-edge technologies in a practical way such that the audience can apply the ideas and practices in their day-to-day work. To achieve this goal, all talks include practical code examples, case studies and benchmarks.

The subjects and duration of the talks can be customized upon request to match your specific needs.



OUR LECTURES

(click to get to the agenda)

React Reasonably	04
React Faster ·····	. 04
Progressive Web Apps ·····	. 04
GraphQL and all the REST · · · · · · · · · · · · · · · · · · ·	. 05
Five Shades of Webapp	05
Micro Frontends · · · · · · · · · · · · · · · · · · ·	05
The Auth	06
Responsive Design ·····	06
Istio Revolution	06
The Time for Vanilla Web Components Has Arrived ······	. 07
#UseThePlatform with Stencil	07
One Language to Rule Them All: TypeScript	. 07
Who's Afraid of Front-End Databases?	08
At Your Service Worker	. 08
Profiling JavaScript Like a Pro ······	08
Refactoring	. 09
Handling Legacy Code ·····	09
Unit Tests and Test-Driven Development · · · · · · · · · · · · · · · · · · ·	. 09

React Reasonably

A soft intro to React

React is a popular library for building web interfaces.

Find out what makes it special and why it got so popular in this introductory talk where we start from the basics.

Duration: 1h

React Faster

Performance optimization in React apps

Performance is a key factor in the quality of web applications, as it vastly affects the satisfaction of users and developers.

However, as the complexity and capabilities of web apps grow it is easy to get this factor wrong. In this session, we'll see what performance actually means and introduce tools and patterns that help improve the performance of React applications.

Duration: 1.5h

Progressive Web Apps

Web apps with the powers of native apps

Progressive web apps are web apps with superpowers. They use various techniques and technologies to deliver a user experience that is reliable, fast, and engaging. This means that they have most of the advantages of native apps, combined with the vast reach of the web. In this talk, we'll find out what makes a web app progressive, learn what they can (and can't) do, and try to predict what the future holds for this technology.

Duration: 1.5h

USA

GraphQL and a

An intro to GraphQL APIs

APIs are everywhere - they privately. For many years, F advantages that earned it I become more sophisticate Facebook has developed G attempt to provide the fea

Duration: 1-2h



Sorting out web app arch

SPA, SSR, static site - these it is not always clear how the mance and scaling of apps. their pros and cons and see - new and old.

We'll also see examples of mance and scalability.

Duration: 1-1.5h

Micro Frontend

Microservices for the cliel

Micro frontends are a relat that attempts to apply the This pattern is still evolving it as a great idea while other The truth is probably some stand what the controvers are built, and also - when w

Duration: 1.5h



The Auth

Securing services on the web

Auth - we use it every day, but we don't always know how it works behind the scenes. In addition, the abundance of related technologies and protocols makes it difficult to solve the mystery. In this session, we will try to bring order to this area. We will introduce terms like sessions, tokens, oAuth, OIDC, JWT, SSO, LDAP, and more. We'll see what they mean and where they fit in the big picture of securing online services.

Duration: 1.5h

Responsive Design

UIs that work everywhere

The web is everywhere, from smartwatches to 100" smart TVs.

This poses different challenges when we come to implement modern web applications, one of which is how to design and implement our UI so it is usable across all those screen sizes plus everything in-between?

In this talk, we will look at approaches and principles of creating UI that works across devices and screen sizes. We will learn about the mobile-first approach, responsive design, grids, and media queries and see how they are used in practice. We will also see how new CSS features like CSS grid layouts change the possibilities of laying out UIs on the web.

Duration: 1.5h

Istio Revolution

Service mesh introduction

Istio is an open-source independent service mesh that provides the fundamentals you need to successfully run a distributed microservice architecture. As organizations increasingly adopt cloud platforms, developers have to architect for portability using microservices, while operators have to manage large distributed deployments that span hybrid and multi-cloud deployments. Istio reduces the complexity of managing microservice deployments by providing a uniform way to secure, connect, and monitor microservices.

Duration: 1.5h

The Time for Vanilla We

Web Components API introduction

Web development changed dramatically amount of JavaScript libraries and the nocreate web apps. When building a web a web components you built. But how can One of the new and emerging web stands standard enables you to create reusable JavaScript. In this session, you will get fa

Duration: 45min

#UseThePlatform witl

Stencil introduction

Web development changed dramatically amount of JavaScript libraries and the necreate web apps. When building a web a web components you built. But how can One of the new and emerging web stands standard enables you to create reusable JavaScript. On the other hand, crafting r The Stencil comes into place. In this sess that generates standard-compliant Web

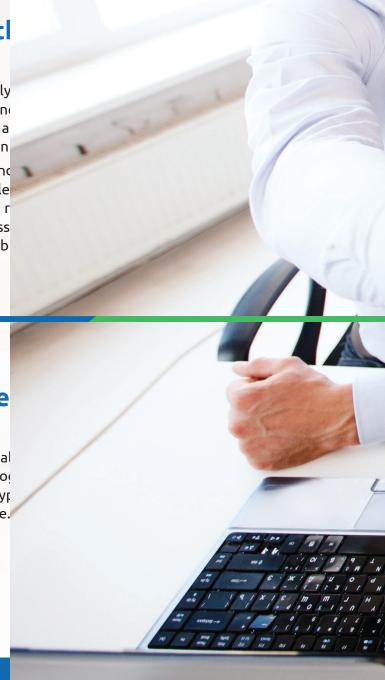
Duration: 1h

One Language to Rule

TypeScript introduction

Creating cross-platform, application-scal any host is very hard. TypeScript is a prothis session, you will get to know the Typend-to-end web app using the language.

Duration: 1h



Who's Afraid of Front-End Databases?

Introduction to working with front-end databases

IndexedDB is a full-blown database that is hosted inside your browser. In data-driven scenarios, it can help you to persist your data inside your front-end. IndexedDB can also help you to persist data in mobile web disconnected environments and later on the data will be available for synchronization to the server. In this session, you will learn what is IndexedDB, how to use it, and how to incorporate it into your apps.

Duration: 1h

At Your Service Worker

Service workers introduction

Do you want to speed up your web app or make it work offline?

A service worker is an execution context that runs separately from JavaScript main thread and acts as a network proxy. In offline scenarios combining service workers with IndexedDB can help to maintain your data and later on sync it to the server. In this session, you will learn what Service Worker and IndexedDB are, how to use them, and how to incorporate them in your web app to store live data.

Duration: 45min

Profiling JavaScript Like a Pro

Learn to use the Chrome DevTools profiler

As for front-end developers, we strive to build fast and fluid web apps. But how can you find performance problems or memory leaks? How do you profile a web app or Angular-oriented app?

In this session, you will get to know how the browser works. Then, you will learn how to use that information to profile web apps.

Duration: 1h (available for Java, CPP, C#, Python, Node, and front-end development. This session is also available as a 3-hour hands-on remote session for a team.)

ur code to make it easy to change

ves all the time. As it grows it becomes harder and harder to e act of changing the code without changing what it does, just

derstand the basic technique of refactoring and how to do it in

Duration: 1h (available for Java, CPP, C#, Python, Node. This session is also available as a 3-hour hands-on remote session for a team.)

icy Code

o old, complicated code

DD to old code that has grown wild over the years is very difficult Code.) The task of just preparing the required parameters to oke the method seems impossible.

arn the basic technique of harnessing legacy code - how to make afety net around your code.

Java, CPP, C#, Python, Node.

Test-Driven Development

ce of development

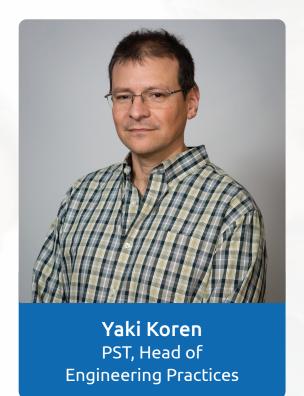
tool for testing the logic of your code. But this is nothing er when you write them before you write session is also s-on remote session for a team.)

Duration: 3-hour hands-on remote session for a team.





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