Getting Started with GitHub

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SOFTWARE ARCHITECT

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Overview

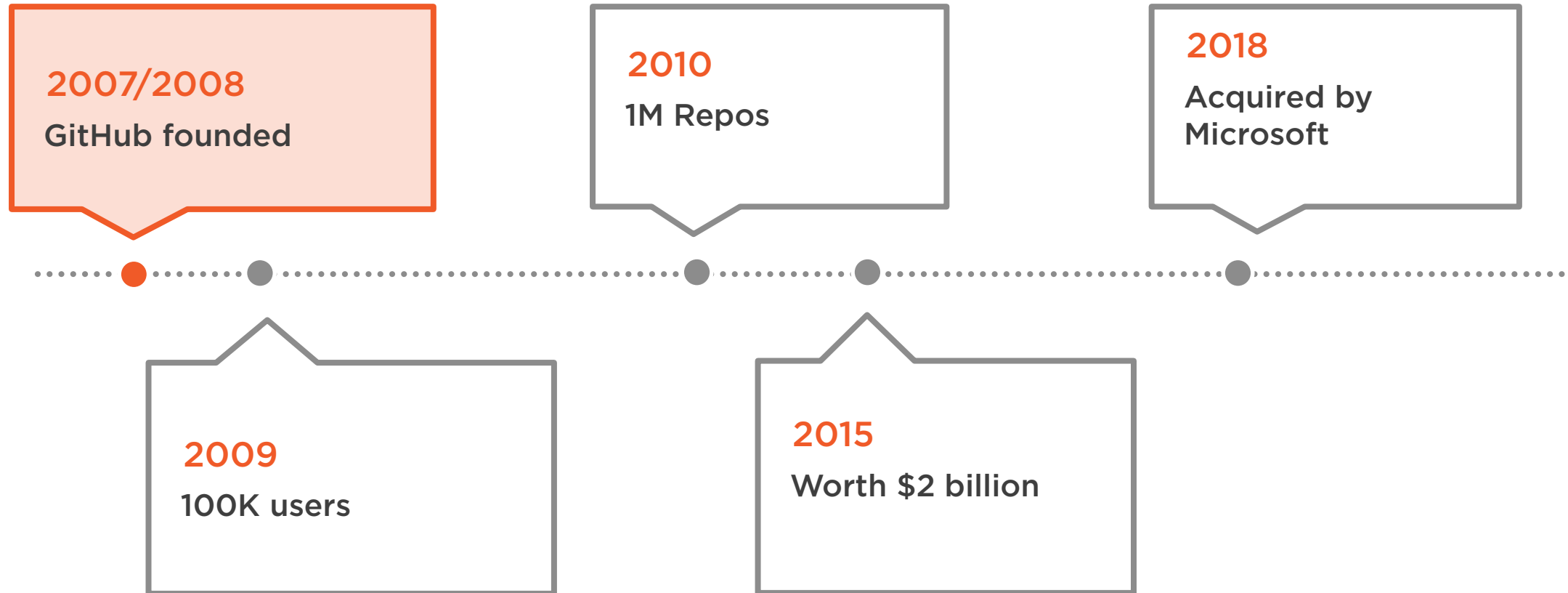# Hello GitHub

What is GitHub?

Hosting service for Git

Git features... and a lot of extras

Focus on social aspect of coding

Acquired by Microsoft in 2018

GitHub's History

2007/2008
GitHub founded

2009
100K users

2010
1M Repos

2015
Worth $2 billion

2018
Acquired by Microsoft

GitHub's Main Features

Code. Code. Code.	**Pull requests**
Issues and Project management	**Documentation**

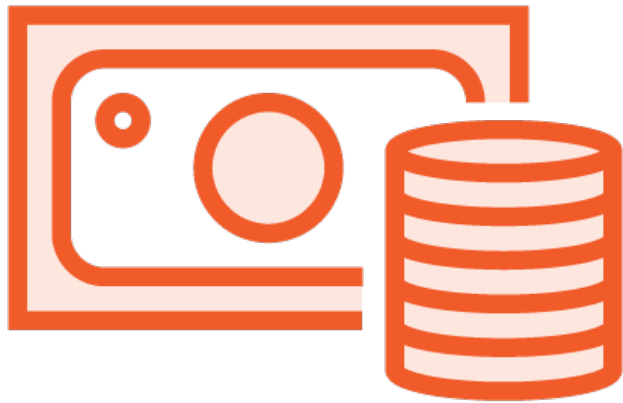# GitHub's Main Features

Notifications

Teams

Gists

Integrations

Free

Paid
- Developer
- Team

Business Cloud

Enterprise

Common Alternatives for GitHub

GitLab

BitBucket

Demo

A guided tour of GitHub

Creating Your GitHub Account

Getting Started with GitHub

Create account

Your GitHub profile

Creating your first repository

Demo

Creating your GitHub account

Setting up your profile and settings

The Base Building Block: Repositories

Let's Talk About Repositories

Folder for your project

Owned by you or an organization

Public or private

GitHub Is the Remote

Working directory

Staging area

.git repo

GitHub repo

Demo

Creating a repository on GitHub

Linking to our local repository

Connecting over SSH

Connecting with GitHub

HTTPS

SSH

Demo

Creating SSH keys

Connecting with GitHub using SSH

Finding Stuff on GitHub

Searching on GitHub

Global search

Scope of your search
- Repositories, code, issues...

Advanced search page

Search syntax allows further optimization

```
dotnet stars:>1000
```

◄ Word "dotnet" and more than 1000 stars

```
dotnet stars:10..50
```

◄ Word "dotnet" and between 10 and 50 stars

```
dotnet NOT "hello world"
```

◄ Word "dotnet" and not contain "hello world"

Demo

Searching GitHub

- Search syntax
- Advanced search page

Summary

GitHub is a social coding platform

Repositories are the heart of GitHub

Powerful search functionality makes finding what you need easier

Up next:
Working with repositories in GitHub