Thank you Behn for that great presentation on the challeges of Git. So, now we will take an insider look at GitHub, the popular web interface to the software known as Git.

- Defined as “ Web Based Git Repository Hosting Service “

- Lauched 2008

- Developed using Ruby on Rails & Erlang

- Wikipedia says 10 million users 2015

- Mascot: Octocat [ SHOW ]

- Slogan: “ Build software better, together “

So there are a number of functions that make GitHub a popular choice for developers. My presentation will be a brief run through of the leading ones. I encourage you to really dig into the website though because it has so much to offer to developers in the realms of collaboration, maintenance and just general ease of use.

[ Show the profile page of GitHub ]

So, in order to use GitHub, you have to sign up for an account. To show an example of a profile page, I have my own profile page here.

- Show Avatar and Basic information

- Show Social Networking Functionalities

- Describe Tabs ( Contributions, Repositories, Public Activity )

Now, I want to mention some of the biggest that makes GitHub so popular and you have probably come across it surfing the web. Yes, it's called “ Forking “.

- Describe Forking & Pull Requests

- Bug Fixes

- Integration

- Extensions that allow you to add Git functionality to your existing work flows and/or development applications. [ SHOW LIST ]

- Describe Gists

- Small snippets to full projects

- Also uses revision control

- Searchable ( Public vs Secret )

- Describe GitHub API

- Retrieve JSON strings of repository information

- Explore Section ( Under Profile Menu )

- Incase you don't know what you want to look for...

- Categorized by genre, trends, showcased items, etc

- Security

- 2 factor authentication

- SSL, HTTPS and SSH data transmission

- GitHub Pages

- [http://username.github.io](http://username.github.io/).

- Makes your repository a viewable clean website to publish for the web

Collaboration features

Bug tracking

Feature Requests

Task Management

Wikis

Social Networking

Feeds

Followers

Wikis

Social Network Graph

Git Plugins

Explanation of GitHub Portfolio

MAJOR ITEMS

Pull Requests – CONTRIBUTING

Pull Requests is a major function of GitHub

Git Plugins

Explanation of GitHub Portfolio

GitHub Pricing Plan ( Comparison with Bit Bucket )

<https://lostechies.com/jimmybogard/2012/11/07/why-githubs-pricing-model-stinks-for-us/>

Why is GitHub popular

<https://www.quora.com/Why-is-Bitbucket-from-Atlassian-not-as-popular-as-GitHub-for-hosting-code-repositories-and-version-control>

<http://techcrunch.com/2012/07/14/what-exactly-is-github-anyway/>

GitHub can be seen as a graphical web interface to the Git CLI.

Public code sharing and publishing service. Also is a social networking site for developers.

Forking is a major functionality of GitHub. The ability to copy another persons repository into your own account is as simple as one click of a button. Once copied, you can edit and change code at will. This will not affect the owners copy though! For that, a process called “ Pull requests “ is started. The maintainer of the code that was forked can review, authorize, or deny change requests to their code. For example, a maintainer might suggest to the contributer that if they tweak their change a little in a certain way, then they would consider merging it into their repo. Social networking plays a large part in the process as well. You can see now why GitHub is popular to all developers worldwide.

<http://readwrite.com/2013/09/30/understanding-github-a-journey-for-beginners-part-1>

Github as a resume

<https://blog.jcoglan.com/2013/11/15/why-github-is-not-your-cv/>

<https://t37.net/github-resume-absolute-nonsense.html>

There has been