Review Objectives

Tech Gathering Summaries

**Node School** – 12/9/15

This was a Codesmith hosted event that I found out about through following tech meetups on Meetup.com

The course consisted of a node course from https://nodei.co/npm/learnyounode/

Tutorials of the course consisted of learning the Node require pattern, then using that the make synchronous and asynchronous calls. From there tutorials consisted of HTTP client and server manipulation.

It was a worthwhile course as it game me the ambition and tools to take my first steps into node. It was also at a learn as you go pace with people at the event to bounce questions off if needed which was a good way of going about it.

**JSLA** – 1/5/16

Topics : Micro Services & React

Part 1) The micro services presentation was interesting to learn about how web tokens could be used to allow a modular style architecture and still have a strong handle on web securities and permissions. When using a single monolith style architecture, securities are simpler because there is one door in or out but it makes it difficult to scale. With using a modular setup it allows for resources to be added or removed depending on the workload. In order to be able to keep these systems secure web tokens can be used to convey permissions between all parts of the architecture. An authentication server is then used to check the web tokens to allow for permissions to the different resources.

Part 2) This second part of the jsla meetup was focused around react and some of the benefits of leveraging the frame work in collaboration with react native. The samples shown by the presenter were examples of how quickly a react native app could be setup, how the react framework allows for code to be written in the way a person naturally thinks about the code progression, and how the virtual dom can be leveraged.

The examples for the code progression were focused around minimizing the amount of information the developer has to keep in his head when progressing through the code to simplify the development process. The virtual dom example showed an infinite scrolling list and then leveraged the code to only show what was on the screen plus 5 items on each side which enabled the virtual dom to quickly render the items to the screen and have them ready for when the user scrolled the items into view and then hide the elements once they were no longer needed. It was a very impactful example as it showed how only rendering the changed / needed elements could really benefit the performance of the app.

**JS The Hard Parts Part 2** - 4/21/16

Closure, Scope and Execution Context

Course Challenge <http://csbin.io/callbacks>

Attended with Filip

This course was a Codesmith course and was a really solid refresher course on closure and scope. It broke down local memory vs global memory of a functions execution context and was work while for verbally explaining the flow of the functions. Working with the closed over variables and how they reflected the scope of a functions execution context was the most beneficial part of this meetup. The challenges had a good progression through the lessons taught in the course.

Another major benefit from the course was learning different code training tools to use in my spare time to continue improving code skills. Examples: Code Wars, Hacker Rank, Code Academy

**JS The Hard Parts Part 1** - 4/28/16

Callbacks & Higher Order Functions

Course Challenge <http://csbin.io/callbacks>

Attended with Fillip and Kent

This course was a Codesmith course and part one of a two part series. I felt like I benefitted most from the verbal communication and pair programming that were a focal point meetup. The examples given for callbacks and execution context were targeted toward understanding the concept from an entry level.