Michael Galarneau

[mbgalarneau@hotmail.com](mailto:mbgalarneau@hotmail.com)

UNH Full Stack Boot Camp

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**Pre-work - Module 2**

**Assignment:**

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|  |  | **Definition** | **Reference Source** |
| 1 | CI/CD | Continuous Integration / Continuous Deployment –  CI/CD merges development with testing, allowing developers to build code collaboratively, submit it the master branch, and checked for issues. This allows developers to not only build their code, but also test their code in any environment type and as often as possible to catch bugs early in the applications development lifecycle | https://www.docker.com/use-cases/cicd |
| 2 | Oozie | Apache Oozie  **Workflow** scheduler that manages Hadoop (big data) jobs. | https://oozie.apache.org |
| 3 | Hive | Apache Hive  A data warehouse software facilitates reading, writing, and managing large datasets residing in distributed storage using **SQL**. Structure can be projected onto data already in storage (such as Apache Hadoop HFDS) | https://hive.apache.org |
| 4 | Pig | Apache Pig  **Apache Pig** is a platform for analyzing large data sets that consists of a high-level language for expressing data analysis programs, coupled with infrastructure for evaluating these programs. The salient property of Pig programs is that their structure is 5amenable to substantial **parallelization**, which in turns enables them to handle very large data sets | https://pig.apache.org |
| 5 | Gulp.js | Gulp.js  Gulp is an open-source JavaScript toolkit by Fractal Innovations and the open source community at GitHub, used as a **streaming build system** in front-end web development. | https://gulpjs.com  https://en.wikipedia.org/wiki/Gulp.js |
| 6 | Koa | koa  Koa is a new web framework designed by the team behind **Express**, which aims to be a smaller, more expressive, and more robust foundation for web applications and APIs. Through **leveraging generators Koa allows you to ditch callbacks** and greatly increase error-handling. | http://koajs.com |
| 7 | JWT | JSON Web Token  JSON Web Token is a JSON-based open standard for **creating access tokens** that assert some number of claims. Typically used to assert security credentials and access controls in single sign-on context. | http://jwt.io  https://en.wikipedia.org/wiki/JSON\_Web\_Token |
| 8 | Consul | HasiCorp Consul  Consul is a distributed service mesh to connect, secure, and configure services across any runtime platform and public or private cloud. It provides **service based networking** as opposed to traditional host based (configured) networking. | https://www.consul.io/ |
| 9 | Vault | HashiCorp Vault  **HashiCorp Vault** secures, stores, and **tightly controls access to tokens, passwords, certificates, API keys,** and other secrets in modern computing. Vault handles leasing, key revocation, key rolling, and auditing. Through a unified API, users can access an encrypted Key/Value store and network encryption-as-a-service, or generate AWS IAM/STS credentials, SQL/NoSQL databases, X.509 certificates, SSH credentials, and more | https://www.vaultproject.io/ |
| 10 | Groovy | Apache Groovy  Apache Groovy is a **powerful, optionally typed** and **dynamic** language, with **static-typing and static compilation** capabilities, for the **Java platform**. Capabilities include **scripting**, **Domain-Specific Language** authoring, runtime and compile-time **meta-programming** and **functional** programming. | http://www.groovy-lang.org |

Soures: indeed.com, dice.com

Search terms: Full Stack Developer, Web Developer, Node Developer, Back end developer