**WHAT YOU WILL LEARN**

* Develop with front-end development languages and tools such as HTML, CSS, JavaScript, React and Bootstrap.
* Program applications using back-end languages and frameworks like Express, Node.js, Python, Django, etc.
* Deploy and scale applications using Cloud Native methodologies and tools like Containers, Kubernetes, Microservices and Serverless Functions.
* Build your GitHub portfolio by applying your Full Stack Cloud Development skills with multiple labs and hands-on projects, including a capstone.

**SKILLS YOU WILL GAIN**

* Cloud Native
* Devops
* Iaas PaaS Saas
* Hybrid Multicloud
* Cloud Computing
* Cascading Style Sheets (CSS)
* HTML
* Git (Software)
* JavaScript
* Cloud Applications
* Distributed Version Control (DRCS)
* open source

## Applied Learning Project

Throughout the 10 courses in the Professional Certificate, you will develop a portfolio of hands-on projects involving various popular technologies and programming languages in Full Stack Cloud Application Development. These projects include creating:

* HTML pages on Cloud Object Storage
* An interest rate calculator using HTML, CSS, and JavaScript
* An AI program deployed on Cloud Foundry using DevOps principles and CI/CD toolchains with a NoSQL database
* A Node.js and React application
* A containerized guestbook app packaged with Docker deployed with Kubernetes and managed with OpenShift
* A Python app bundled as a package
* A database-powered application using Django ORM and Bootstrap
* An app built using Microservices & Serverless
* A single, scalable, Cloud Native Full Stack application using the technologies learned in previous courses

You will publish these projects through your GitHub repository to share your skills with your peers and prospective employers.