Full Stack Development

Containers, Microservices and UI

0. Course Introduction

Overview

- Full stack development

- Modern container architecture

- DevOps and CICD

- Building Microservices

- Working with data in a full stack app

- User interfaces with Angular and React

- Orchestration with Kubernetes

Introduction

- This is a beta version of the class
  - That means that it can be modified on the fly with feedback from students

- Learn by doing
  - There will be a strong emphasis on demo and labs
  - How much material we cover is not as important as the amount of material you actually learn
  - Hypothetical problem scenarios will be posed during class for discussion
  - There will be no reading from slides – they are only a guide

- Be interactive
  - I will be soliciting your insights, feedback and questions so you have to be present and ready to contribute

- Interactive documentation
  - We will rely throughout the course on current online documentation
  - More detailed materials are available in the repository

Logistics

- Class hours are 9-5 EST
  - This may change if LearnQuest changes the times for the clsses
  - One hour for lunch 12-1
  - Two 15 minute breaks mid-morningish and mid-afternoonish
  - Last hour of each day is reserved for questions, hands-on and discussion
    - No new material will be introduced after 4pm

- Lab machines will be provided
  - They will be available 24/7 for the duration of the class
  - You may use your own machines if you want but there is no time during class to help students with set-up issues on their own machines.
    - A full setup spec is available in the repository

- Course materials
  - Available for download at https://github.com/ExgnosisClasses/FSDNov28-Student
  - This will be updated during the class and will be available until Jan 9, 2023

Rod Davison

45 years experience

Academia (math, linguistics, cognitive science)

Artificial Intelligence R and D

Software Development

Data Analytics – Social Research

Project Manager

Quality and Testing

Business Analysis

Consulting and Training

Introductions

- Please introduce yourself
  - Name you prefer to be used in class
  - Your area of expertise or specialization (eg. developer, tester)
  - Technical background and experience with full stack development
  - Specific goals or expectations of what you will learn

Questions?

End Module