CAPE-OPEN 2023 Annual Meeting

Introduction

Dr. R. K. Abrahams

CAPE-OPEN 2023 Annual Meeting

Chemical and Process Engineering

BSc & PhD Chem Eng.

- Microkinetic Modelling

Process Engineer

- Coal gasification plant

Energy and Resource Consultant

- Several projects in Oil & Gas, Mining and Utilities

Software and Data Engineering

Co-founded a start-up

- Development of front-end, back-end and product life cycle

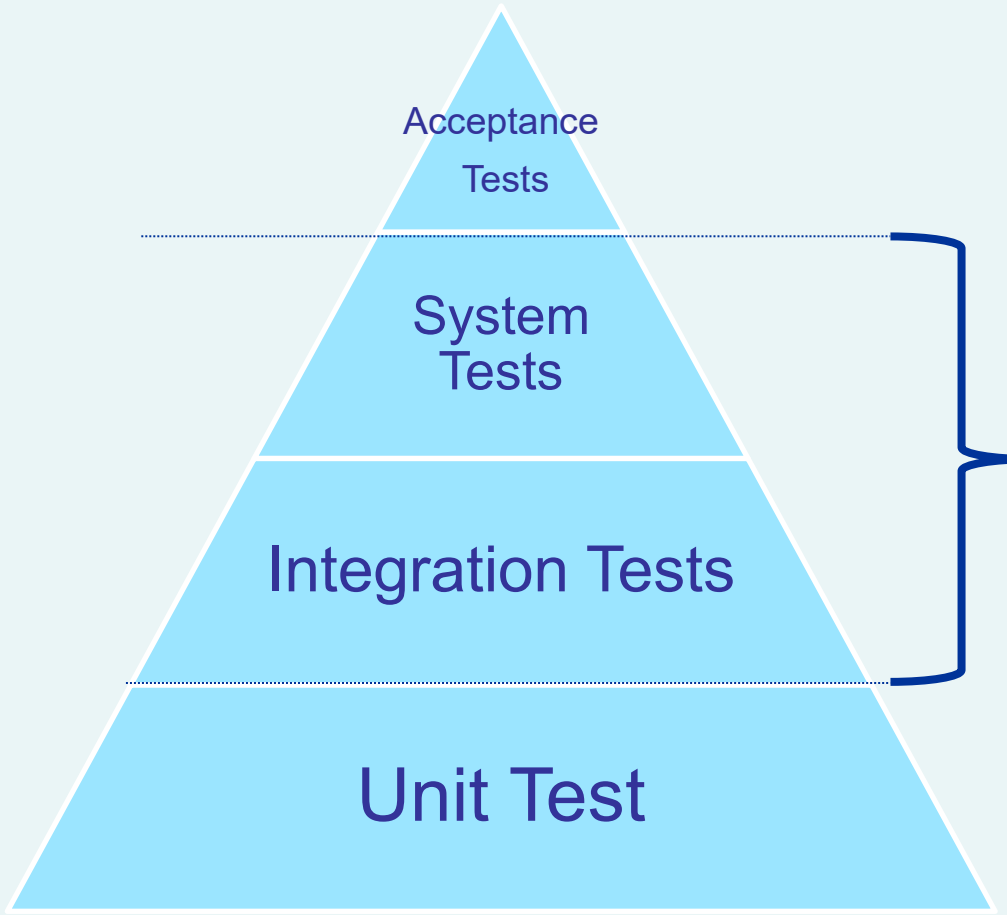
Tech Lead

- Managed Engineering team responsible for customer security

Senior Lecturer at UCT

- Focusing on data driven engineering solutions

Various levels of testing can ensure the interoperability



CO-LaN Focus

Other types of tests:

- Smoke Test
- Regression Testing
- Performance Testing
- Usability Testing
- Security Testing
- End-to-End Testing

Containerized microservice architecture provides flexibility and can adjust resource requirements

Local

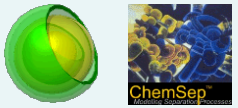
Microkinetic Analysis

Local +
Shared Website

Optimization Frameworks

Local +
Azure

Flow sheeting



Local +
HPC

Deep learning

Orchestration

Thank You!