

Design & Architecture

Course Outline

Training Duration: 2 days

- Web Application Architecture (with some case study) - Different components & concepts involved when designing the architecture of a web application
 - Different tier Architecture
 - Web Architecture
 - Client Server Architecture
 - A REST API
 - HTTP Push and Pull
 - Scalability
 - High Availability
 - Load Balancing
 - Database
 - Caching
 - Message Queue
 - Data Ingestion & Pipeline
- Microservice Architecture (with some case study) - Understand Recipes of Tech stacks and technologies to implement Microservices
 - Frontend Integration
 - Edge Side Includes
 - Asynchronous microservices with Kafka and REST feeds
 - Synchronous microservices
- System Design Basics and Problems (with some case study)