**(steps to build an AWS dynamic platform)**

**Creating a Wordpress Web App Environment**

**1. Creating a new EC2 Key Pair**

**2. Launching Web App Stack through CloudFormation**

**3. Complete First time Wordpress Setup through CloudWatch Metrics and Dashboards**

**1. Setting up CloudWatch Agent**

**2. Visualizing with CloudWatch Dashboard**

**Monitoring Web Requests through AWS WAF**

**1. Storing, Indexing and Searching Data with an Amazon Elasticsearch cluster**

**2. Ingesting Streaming Data with Kinesis Firehose**

**Creating a Kinesis Firehose to Elasticsearch Step-By-Step Instructions**

**3. Using AWS WAF to protect web apps and log HTTP requests**

**4. Visualizing Log Data with Kibana**

# Ingesting Clickstream logs with Kinesis Firehose with Serverless ETL (Extract Transform Load)

**1. Kinesis Firehose with Lambda transformation**

**Creating a Kinesis Firehose**

**2. Publishing Clickstream Logs via Kinesis Agent Using Kibana to visualize Clickstream logs**

**Visualizing with Kibana**

**Generating Sample Clickstream Data**

**Creating a Clickstream Dashboard on Kibana**

**Analyzing Clickstream data with Amazon Glue and Amazon Athena**

# Generating contact records with Amazon Connect

## Creating an Amazon Connect Instance

# Serverless ETL for Contact Records with Lambda

# Ingesting Amazon Connect call records with Kinesis Firehose

# Delivering Contact Trace Records (CTR) to Elasticsearch via Kinesis Firehose

# Testing delivery of Call Trace Records to Elasticsearch

# Visualising Data in Kibana

## Visualizing Contact Trace Records (CTR) call metrics Combining Clickstream and CTR data for user behaviour profile