# MASTER IN DEVOPS ENGINEERING

| TRAINER NAME | RAJESH KUMAR |
|---|---|
| NO. OF HOURS | 150 HOURS |

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| LINUX | VAGRANT | AWS | DOCKER | JIRA |
| CONFLUENCE | PYTHON | GIT | GITHUB | SONARQUBE |
| COVERITY | MAVEN | GRADLE | PACKAGE | ARTIFACTORY |
| SELENIUM | JMETER | ANSIBLE | KUBERNETES | HELM |
| TERRAFORM | JENKINS | DATADOG | SPLUNK | NEWRELIC |
| HTTP | RANCHER | ENVOY | CONSUL | VAULT |
| PROMETHEUS | GRAFANA | ELK STAKE | PAGERDUTY | OPSGENIE |
| RUNDECK | APPDYNAMICS | SECRETS MANAGER | NGINX | ISTIO |
| STRIDE | ZAP | DEPENDENCY CHECK | JFROG XRAY | SKIPFISH |
| FORTIFY WEBINSPECT | FALCO | NOTARY | TUF | WAF |
| HASHICORP VAULT | SECRET MGMT | OPA | SIEM | CLOUD SECURITY |

# MDE = DEVOPS + SRE + DEVSECOPS

# DEVOPS CERTIFICATION AGENDA

- **SDLC MODELS & ARCHITECTURE WITH AGILE, DEVOPS, SRE & DEVSECOPS, SOA & MICRO SERVICES** - CONCEPT
- **PLATFORM -** OPERATING SYSTEMS - CENTOS/UBUNTU & VIRTUALBOX & VAGRANT
- **PLATFORM - CLOUD** - AWS
- **PLATFORM - CONTAINERS** - DOCKER
- **PLANNING AND DESIGNING** - JIRA & CONFULENCE
- **BACKEND PROGRAMMING LANGUAGE** - APP DEV WITH PYTHON/FLASK WITH MYSQL DB
- **SOURCE CODE VERSIONING** - GIT USING GITHUB
- **CODE ANALYSIS & SECURING CODE (SAST)** - SONARQUBE & COVERITY SCAN & SNYK
- **BUILD MANAGEMENT** - MAVEN AND GRADLE
- **PACKAGE MANAGEMENT** - PACKER & ARTIFACTORY
- **UNIT TESTING & ACCEPTANCE TESTING & COVERAGE** - WEB APPLICATIONS - JUNIT & SELENIUM & JACOCO & JMETER
- **CONFIGURATION & DEPLOYMENT MANAGEMENT** - ANSIBLE
- **CONTAINER ORCHESTRATION** - KUBERNETES & HELM INTRODUCTION
- **INFRASTRUCTURE CODING** - TERRAFORM
- **CONTINUOUS INTEGRATION** - JENKINS
- **INFRASTRUCTURE MONITORING TOOL** - DATADOG
- **LOG MONITORING TOOL** - SPLUNK
- **APPLICATION PERFORMANCE MONITORING** – NEWRELIC

# SRE CERTIFICATION AGENDA

- **APPLICATION PERFORMANCE MONITORING** – NEWRELIC
- **WEBSERVER -** APACHE HTTP & NGINX
- **MULTI-CLUSTER KUBERNETES ORCHESTRATION PLATFORM** - RANCHER

- **SERVICES MESH DATA PLANES & CONTROL PLANES** - ENVOY & ISTIO
- **NETWORK CONFIGURATIONS AND SERVICE DISCOVERY** - CONSUL
- **SECURING CREDENTIALS -** HASHICORP VAULT & AWS SECRETS MANAGER, AZURE KEY VAULT, AWS KMS, KUBERNETES SECRETS
- **INFRASTRUCTURE MONITORING TOOL -** PROMETHEUS WITH GRAFANA
- **LOG MONITORING TOOL -** ELASTICSEARCH LOGSTASH KIBANA(ELK STAKE)
- **INCIDENT RESPONSE** USING PAGERDUTY & OPSGENIE
- **PRODUCTION ENV JOB SCHEDULER AND RUN BOOK AUTOMATION -** RUNDECK
- **APPLICATION PERFORMANCE MONITORING** – APPDYNAMICS

# DEVSECOPS CERTIFICATION AGENDA

- **THREAT MODEL & TOOLS** - STRIDE / PASTA / VAST & MICROSOFT THREAT MODELING TOOL / OWASP THREAT DRAGON
- **DYNAMIC APPLICATION SECURITY TESTING (DAST)** - OWASP ZAP (ZED ATTACK PROXY) / SKIPFISH / NMAP / OPENVAS BY GREENBONE / FORTIFY WEBINSPECT
- **SOFTWARE COMPOSITION ANALYSIS (SCA)** - OWASP DEPENDENCY CHECK / JFROG XRAY
- **RUNTIME APPLICATION SELF-PROTECTION & CONTAINERS (RASP)** - FALCO / NOTARY / THE UPDATE FRAMEWORK (TUF) / NIKTO
- **WEB APPLICATION FIREWALL (WAF)** - AWS WAF / AZURE WEB APPLICATION FIREWALL / CLOUDFLARE WEB APPLICATION FIREWALL (WAF)
- **SECURING CREDENTIALS -** HASHICORP VAULT & AWS SECRETS MANAGER, AZURE KEY VAULT, AWS KMS, KUBERNETES SECRETS
- **POLICY-BASED CONTROL FOR CLOUD NATIVE ENVIRONMENTS** - OPEN POLICY AGENT (OPA)
- **CLOUD SECURITY SERVICE & PRACTICES** - CLOUD SECURITY WITH AWS & AZURE SERVICE
- **SECURITY INFORMATION AND EVENT MANAGEMENT SIEM** - SPLUNK SIEM

# TRAINER DETAILS

**NAME - RAJESH KUMAR**

LINKEDIN - HTTPS://WWW.LINKEDIN.COM/IN/RAJESHKUMARIN/

WEB CV - HTTPS://WWW.RAJESHKUMAR.XYZ/CV/

TRAINING CLIENTS - HTTPS://WWW.RAJESHKUMAR.XYZ/CLIENTS/

**SUMMARY -**

TOTAL, OVER 18 YEARS OF EXTENSIVE EXPERIENCE WORKING WITH MORE THAN 10 SOFTWARE DEVELOPMENT COMPANIES FOR SOFTWARE DEVELOPMENT & MAINTENANCE OF PRODUCTION ENVIRONMENTS INVOLVED IN CONTINUOUS IMPROVEMENT AND AUTOMATING ENTIRE LIFE CYCLE USING LATEST DEVOPS TOOLS AND TECHNIQUES FROM DESIGN AND ARCHITECTURE, THROUGH IMPLEMENTATION, DEPLOYMENT, AND SUCCESSFUL OPERATIONS. ALSO, HELPING MORE THAN 200 SOFTWARE ORGANIZATIONS & 30000 ENGINEERS GLOBALLY, PROVIDING COACHING, MENTORING AND CONSULTING IN DEVOPS, CICD, CLOUD, CONTAINERS, SRE, DEVSECOPS, MICROSERVICES AND OPERATIONS.

# DEVOPSSCHOOL ADVANTAGE

- SUMMARY – 60  TOOLS.
- FEES - INR 99999 OR $1200
- DURATION - 150+ HOURS / 4 MONTHS PROGRAM
- ECONOMICS - INR 800 /TOOL OR $10/TOOL FOR LIFETIME
- INSTRUCTOR LED LIVE TRAINING SESSION
- LIFETIME ACCESS TO LMS (HTTPS://WWW.DEVOPSSCHOOL.COM/LMS/
- TRAINER WITH 18+ REAL TIME EXP FROM TOP PROD BASED COMPANY
- 1000+ REAL-TIME INTERVIEW QUESTIONS & ANSWER
- INTERVIEW PREPARATION ONLINE KIT

- ASSIGNMENT FOR EACH TOOLS
- REAL TIME BASED PROJECT PER COURSES
- 6 MONTHS FREE INTERNSHIP BASED ON MERIT BY COTOCUS PVT LTD IT COMPANY (HTTPS://WWW.COTOCUS.COM/)
- COURSE SYLLABUS LINK - HTTPS://DEVOPSSCHOOL.COM/CERTIFICATION/MASTER-IN-DEVOPS-ENGINEERING.HTML