Comprehensive List of Trainings for Skills Building

Application Architect
- Red Hat Middleware & Databases FullStack
- Cloud Container Replatform and Refactor Modernization Architecture & Technology
- Design and Build experience or at least in-depth knowledge on any two Middleware - WebLogic, Tibco, MuleSoft, JBoss, Tomcat or Software AG
- Apply Knowledge of Solutions for Container Based Modernization
- Apply Knowledge of OpenShift, Kubernetes, Docker
- Apply Solutions for Database Migration
- Design and Build experience or at least in-depth knowledge on any one NOSQL database - Cosmos DB, MongoDB, DocumentDB or any blob storage
- Design and Build experience or at least in-depth knowledge on writing database objects like stored procedures, database design, database optimization, backup and restore, expert level on T-SQL or PL/SQL
- Design and Build experience or at least in-depth knowledge on any 2 BigData, Data warehouse platform - Hadoop (MapReduce, HBase, Hive, HDFS, YARN) Spark, Sqoop, Pig, SQL Server Big Cluster, Azure Databricks
- Apply Solutions for Hybrid Cloud Migration
- Apply DevSecOps Engineering
- Apply Knowledge of Open Source App Servers
- Apply Knowledge of App Server-Tomcat
- Apply Knowledge of App Server-JBoss
- Apply Knowledge of App Server-Liberty/Open Liberty
- Apply Knowledge of App Server-WebLogic
- Apply Knowledge of Open System Databases
- Apply Knowledge of MySQL
- Apply Knowledge of PostgreSQL
- Apply Knowledge of Oracle DB
- Apply Knowledge of Open Source messaging
- Apply Knowledge of Open Source ETL, ESB and BPMs
- Architect Solutions on Java JEE Platform
- Apply Knowledge of Spring 4 or Above

- Apply Knowledge of Spring Boot
- Apply Knowledge of Istio
- Apply Knowledge of Kafka, Kafka Connect
- Apply Knowledge of Application and Microservices Security
- Apply Knowledge of Application non-functional requirements
- Apply Knowledge of Garage Method for Cloud and Practices
- Use Chaos testing, engineering design techniques"
- Application Developer   Red Hat Open Source Middleware FullStack   "Design and Build experience or at least in-depth knowledge on any two Middleware - Tomcat, JBoss, Liberty or Open Liberty
- Apply Knowledge of Solutions for Container Based Modernization and Migration
- Apply Knowledge of OpenShift, Kubernetes, Docker
- Perform Application Migration
- Apply Knowledge of Open Source App Servers
- Apply Knowledge of App Server-Tomcat
- Apply Knowledge of App Server-JBoss
- Apply Knowledge of App Server-Liberty/Open Liberty
- Apply Knowledge of Open Source messaging
- Apply Knowledge of Open Source ETL, ESB and BPMs
- Apply Knowledge of Mule ESB
- Apply Knowledge of JEE Fundamentals
- Apply Knowledge of Messaging Fundamentals
- Apply Knowledge of RDBMS
- Apply Knowledge of SQL
- Apply Knowledge of XML
- Apply Knowledge of Spring 4 or Above
- Apply Knowledge of Spring Boot
- Apply Knowledge of Istio Fundamentals
- Apply Knowledge of Kafka, Kafka Connect Fundamentals
- Apply Knowledge of Application and Microservices Security
- Apply Knowledge of Application non-functional requirements
- Apply Knowledge of Garage Method for Cloud and Practices
- Use Chaos testing, engineering techniques
- Perform DevSecOps Engineering"
- Application Developer   Red Hat Commercial Middleware FullStack "Design and Build experience or at least in-depth knowledge on any two Middleware - WebLogic, Tibco or MuleSoft or Software AG
- Apply Knowledge of Solutions for Container Based Modernization and Migration
- Apply Knowledge of OpenShift, Kubernetes, Docker
- Perform Application Migration
- Apply Knowledge of App Server-WebLogic
- Apply Knowledge of Tibco ESB
- Apply Knowledge of JEE Fundamentals
- Apply Knowledge of Messaging Fundamentals

- Apply Knowledge of RDBMS
- Apply Knowledge of SQL
- Apply Knowledge of XML
- Apply Knowledge of Spring 4 or Above
- Apply Knowledge of Spring Boot
- Apply Knowledge of Istio Fundamentals
- Apply Knowledge of Application and Microservices Security
- Apply Knowledge of Application non-functional requirements
- Apply Knowledge of Garage Method for Cloud and Practices
- Perform DevSecOps Engineering
- Use Chaos testing, engineering techniques"

DevOps Server

- Design and Build experience or at least in-depth knowledge on CI/CD tools, DevSecOps practices and Agile practices
- Design and Build experience or at least in-depth knowledge on using tools Git, Markdown, Docker for Windows, WSL, Minishift, Minikube or CodeReady containers (CRC), VSCode and extensions
- Design and Build experience or at least in-depth knowledge on Distributed Tracing - Open telemetry, Open tracing, open census and tools like .Zipkin, Jaeger, Prometheus for .NET
- Design and Build experience or at least in-depth knowledge on SOLID, design pattern, Well-architected framework, Identity framework, API Gateway"
- Application Developer   Red Hat Microsoft Database Modernization   "Design and Build experience or at least in-depth knowledge on any two RDMS - SQL Server, Oracle, Sybase, MySQL, SQLLite, MariaDB, Teradata or PostgreSQL
- Design and Build experience or at least in-depth knowledge on writing database objects like stored procedures, database design, database optimization, backup and restore, expert level on T-SQL or PL/SQL
- Preferably Knowledge on Data migration using DMA
- Design and Build experience or at least in-depth knowledge on any one NOSQL database - Cosmos DB, MongoDB, DocumentDB or any blob storage
- Design and Build experience or at least in-depth knowledge on any 2 BigData, Data warehouse platform - Hadoop (MapReduce, HBase, Hive, HDFS, YARN) Spark, Sqoop, Pig, SQL Server Big Cluster, Azure Databricks
- Design and Build experience or at least in-depth knowledge on ADO.NET, OData, GraphQL, EF v4x, v5, v6, EF Core v2
- Design and Build experience or at least in-depth knowledge on any two versions of SQL Server, SQL Server Integration Services
- Design and Build experience or at least in-depth knowledge on CI/CD tools, DevSecOps practices and Agile practices

- Design and Build experience or at least in-depth knowledge on using tools Git, Markdown, Docker for Windows, WSL, Minishift, Minikube or CodeReady containers (CRC), VSCode and extensions
- Design and Build experience or at least in-depth knowledge on SOLID, design pattern, Well-architected framework, Identity framework, API Gateway
- In-depth knowledge on branching strategies, clean architecture, clean code, domain driven design, code smells, static code analysis tools, Portability tools, ROI, TCO, Estimation, best practices in Cloud, Integration and modernization"
- Technical Architect   Red Hat OpenShift Virtualization   "Design and build OpenShift Virtualization solution for VM based virtualized applications. Advise on Cloud Container re-platform and modernization of platform architecture including compute, network and storage.
- Advanced knowledge on installation and configuration of OpenShift platform (UPI and IPI deployments) with required operators for Compute, SDN, SDS, monitoring and management.
- Apply image management e.g. qcow2 conversion from vmdk / ISO image types etc. Red Hat V2V tools, import of VMs from VMware, Red Hat Virtualization, OpenStack etc., X
- Perform configuring remote access for Windows and Linux based VMs, Calico/OVN/OCP SDN, Portworx, OpenShift container storage, Load balancers
- Advice on Performance and capacity management on OpenShift, Metering and billing on OpenShift, Auto-scaling (HPA/VPA/Cluster), API management, Service Mesh/Istio.
- Experience on leading client workshops, garage model, design thinking practices.
- Knowledge of TCO, ROI models. "
- Application Developer   Red Hat OpenShift Virtualization   "Design and build common CI/CD (Tekton, Jenkins, Jeinkins x etc.) and Infrastructure as Code (Terraform, Ansible playbooks).
- Knowledge on In-browser development (Eclipse Che), Service Mesh, API management, Monitoring and management of applications, custom metrics etc. for VMs and containers both on OpenShift Virtualization.
- Implement development tools and practices, A/B testing, Canary, Blue/Green deployment, Chaos Engineering, Service mesh/Istio and application auto-scaling
- Knowledge on OpenShift/Kubernetes operators/CRD etc.
- Perform writing codes and operators using Golang, Helm, Ansible etc.
- Participate in client workshops on garage model, design thinking practices etc.
- Knowledge of TCO, ROI models.

Technical Architect - CloudPlatform
 AWS Example:
- AWS cloud architecture
- AWS Components: VPC, Route53, Direct Connect, EC2, Lambda, EBS, S3, RDS, Dynambo DB, RedShift, Storage Gateway, CloudFront, SQS, SWF, SNS"
- Infrastructure Specialist   <cloud> DevOps "<Cloud> Platform DevOps SME, Who can
- Apply DevSecOps Engineering

- Provision Container Platform on <Cloud> PaaS
- Manage and Operate Container Platform on Cloud PaaS
- Implement Strategy For Infrastructure Discovery
- Implement CI/CD pipeline Automation
- Implement DevSecOps practices and toolchains (GitOps, SourceToImage, Jenkins etc..)
- Implement enterprise Container Registries and container security policies
- PERFORM Infrastructure Discovery

Technical Architect - Red Hat Platform
- OpenShift Platform Architecture
- DEFINE Platform Architecture for enterprises, based on Red Hat products such as RHEL, OpenShift and Ansible
- Deep understanding of Red Hat OpenShift service on Public Clouds (ARO, ROKS, ROSA)
- DESIGN and IMPLEMENT DevSecOps practices and toolchains (GitOps, SourceToImage, Jenkins etc..)
- Understand functional and non-functional requirements for target platforms, Size for target platform to meet requirements (number of clusters, storage, network etc..)
- DESIGN and IMPLEMENT Container Platform using RedHat OpenShift
- DESIGN and IMPLEMENT CI/CD pipeline Automation
- Manage and Operate Container Platform on RedHat OpenShift PaaS
- Deep understanding and Implement observability, Telemetry and monitoring solutions for OpenShift Platform.
- ADVISE and Execute Strategy For Infrastructure Discovery
- Implement Infrastructure as Code leveraging Ansible, Chef and/or Terraform"
- Technical Architect   Red Hat Site Reliability   "OpenShift Site Reliability (SRE), Who can
- Define SLOs, SLIs and SLAs and ways to measure them
- IMPLEMENT Strategy for availability, latency and performance
- Implement Observability solutions for the deployed services (e.g. leveraging Jaeger)
- Design and implement reliability including infrastructure and applications
- Execute A/B Testing and Blue/Green deployments that ensure high quality services in production
- Design and Implement infrastructure and application deployment automation
- Ensures end to end CI/CD automation and integrations of each deployed service
- Design and Implement for self-healing automation
- Implement Tools for monitoring, logging and Alerts
- Has good understanding of Service Mesh and defines intra service communication policies and controls as well as circuit breaking using service mesh
- PARTICIPATE equally in development and operation processes
- Handle incident management and change management of deployed services

- **Infrastructure Specialist**
- Red Hat Platform

- Deep Understanding of RHEL, Linux
- Deep understanding of Red Hat OpenShift service on Public Clouds (ARO, ROKS, ROSA)
- Implement virtualization leveraging OSV, VMWare etc
- Configuration of cloud platform components - Storage, network, compute
- Develop cloud infrastructure automation using Ansible, Chek and/or Terraform
- Participate equally in development and operation processes"
- "Red Hat DevOps (rename from Red Hat OpenShift)"
- "Openshift Platform DevOps SME
- DevSecOps Engineering
- Provision Container Platform on RedHat OpenShift PaaS
- Manage and Operate Container Platform on RedHat OpenShift PaaS
- Implement Strategy For Infrastructure Discovery
- IImplement CI/CD pipeline Automation
- Implement DevSecOps practices and toolchains (GitOps, SourceToImage, Jenkins etc..)
- Implement enterprise Container Registries and container security policies
- PERFORM Infrastructure Discovery"