**MANIRUL HALDER**

**Senior Consultant / Architect: SRE | Devsecops | Performance Engg | Cloud Automation | Cloud Security | Container**

**Security | web service | GCP | AWS | AZURE | AIOPS | Kafka | Chatgpt | kubegpt | SOAR | OPA | Microservice | Big data |**

**API | 14 yrs exp**

✆: **+91 8902266313 / +91 9874388850 |** : manirulhalder@gmail.com / realmani786@gmail.com

 : manirulhalder | : in.linkedin.com/in/manirul-halder-4b43b616

Gender: Male | Nationality: Indian | Marital Status: Married | DOB: 04/07/1981 Currently in India(Bangalore); Passport Number: L2047256 ; Passport Validity: 17-06-2023

# Leadership Skill –

Handling a team of 20+ people as Manager/Leader role.

**Teamwork & motivation leadership skills —**

* Communication
* Planning
* Collaboration
* Problem-solving
* Constructive feedback
* Organization
* Delegation
* Mentoring
* Encouragement

# CAREER SNAPSHOT

**EXPERIENCE:** A seasoned **Software professional** with over **14+ years of experience,** in IT industry.

**Worked with the clients: Airways (Lufthansa), Port of Singapore, Philips Morris International and Vodafone, KPN Telecom, Health care Domain, Travel Domain (Amadeus), TESCO. American Express , Eurofins, Macys.**

**Meetup for Devops/SRE : Walmart | VISA| Amazon development Centre | SAP LABS.**

# Site Reliability Engineering : Observability , Resiliency , Reliability , Scalability, Security, high availability,

**fault tolerance ,Capacity planning , SLA, SLO, SLI.**

# AIOPS , OPA [ Styra ]. Golden rules. SRE KPI Metrics.

* + **SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics .**

# SRE maturity and Assessment

* + **Devsecops Maturity and Assessment**

# Skill:

# Solid expertise in virtualization technologies (VmWare/HyperV), Active Directory , Storage Technologies (SAN/NAS/DAS) , Networks, Exchange Online, M365, AWS / AZURE / GOOGLE etc

# Active Directory, Office 365, and ADFS experience including the ability to design and configure all facets of an Office O365

# Monitoring and Observability principles, with experience of either deploying or using a monitoring/observability platform such as NewRelic, DataDog, Graffana, Solarwinds, Zabbix, LogicMonitor etc

#  Microsoft operating systems and services in a multi-site topology, including Active Directory, Group Policy, DNS, DFS, IIS and Cluster Services.

# Experience with Multi-threading, Asynchronous code, Garbage collector tuning, Memory profiling.

**Cloud Security / Container security :** Twist lock , Fortify , red lock , Cortex XDR ,

Open Policy Agent | Kubernetes Admission Control , aquasec, hashicorp sentinel , VAULT , threat modeling .

# Performance Engg with Dynatrace : Purepath method level drill down. Tuning of the code Open Tracing: Jeager , Visualization: Weave Scope.

**Distributed application: Fault tolerance , circuit breaker , service mesh[istio/consul] , canary deployment , service discovery[envoy], blue /green routing, Handling Timeouts . Kafka , redis , couchbase.**

# Micro service, docker, container| Hybrid Cloud , Cloud Migration BD , RFP , Presales

**Database: Relational and NoSql database design, Schema modelling, Indexing, Performance tuning Messaging: Either one of IBM MQ, JMS or Kafka**

# Kubernetes, leveraging PAAS and SAAS offerings from Azure

**Exposure on Continuous Integration/Delivery pipelines, Mature DevOps practices like A/B testing, Blue-Green/Canary deployments, Trunk based development**

# Develop Build and release pipelines on cloud,

**Automated Cloud deployments using Azure ARM templates or Terraform**

# Big Data and Data Lake: Azure data lake, azure databricks. AWS Sagemaker , Aws Datalake

**, aws-ml-data-lake. Use case for design of data lake . Design of Data bricks .**

# Kylo is an enterprise-ready modern data lake management software platform for big data engines such as Teradata, Apache Spark, or Hadoop.

**GCP: Google BigQuery | Google Storage | Google Dataflow | DataProc | PySpark | PubSub | Airflow/Composer | Kubernetes | CloudSQL**

# Understanding of key high level cloud concepts for Identity & Access management,

**Network security, Geo redundancy, Data synchronization, Encryption,**

# Hybrid & Multi-tenant cloud architectures, Service SLA monitoring, Cost optimization. Bamboo, Perl, Python, Ruby, Cloud : Redhat Openshift , Amazon AWS.

**Docker | Kubernetes | GCP| AWS | Azure | Hybrid cloud| Open stack | Open Shift| Terraform | vault | Consul | Ansible | Packer |**

# Performance: Load runner |Jmeter|Gatling, Chaos Monkey | Micro service |Python Load balancing, capacity management and utilization

**Work on containerization with Docker**

# Experience in migration from an on-premise to a cloud using Kubernetes or equivalent Automated deployments to AWS / AZURE

**monitoring tools – with Nagios, Prometheus , Grafana , Splunk , ELK Chef/Ansible,Nagios,Docker/Kubernetes,Jenkins/Bamboo,Terraform,Vault,Consul, Maven,Jira,Git/Bitbucket,elastic search , kibana , hadoop ,**

# Performance Monitoring Tool: Jprofiler, Appdynamics,Dynatrace,Perfmon,Nmon. Performance Testing done on:- Distributed environment and Web technologies (J2EE, web services, etc.), client/server applications,

**cloud environments and infrastructure components.**

# Designing, Developing and Executing Performance Test Cases and Scripts. Improve application scalability and performance.

**CAREER TRAJECTORY**

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| --- | --- | --- |
| **Organization** | **Designation** | **Duration** |
| Wipro limited [ Wipro Digital ] | LeaderShip –Devsec ops Architect | Jan-2021 to till date |
| Cognizant Technology Solutions Pvt Ltd | Architect | Manager | 1st Apr-2019 to Jan-2021 |
| Harman Connected Services, Bangalore | Architect/Lead Engineer | Dec-2017 to FEB-2019. |
| ALTEN CALSOFT LABS (INDIA) PVT. LTD | Module Lead | Dec-2016 – SEPT-2017 |
| IBM India Pvt. Ltd, India( Source One) | Senior Lead | Dec 2012 – Nov-2016 |
| Orga Systems India Pvt. Ltd, Kolkata | Consulting | Aug 2011 - Aug 2012 |
| Ericsson Global India Pvt. Ltd, Kolkata | Engineer - Support | Sep 2008 - Aug 2011 |
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# KEY DELIVERABLES

E-Commerce Application , Health care Domain, Devops Culture Build Up.

Micro service , docker , container , azure data bricks, azure data lake, Big data. Improve application scalability and performance

Performance Testing with Load Runner and JMeter Angular.js / Node.js

Developing testing metrics and analyzing low performance software systems Defining and interpreting test plans and procedures

Micro Service with Java development

Installed hardware and communicated with the third party for software installation into the server Provided customer support and resolved any queries as per the service legal agreement

Managed trouble ticket and change request

Handled Diameter Protocol (Ro (AS), Gy (Packet core))

Telecom Billing (BSCS) , Diameter , PCRF , PCEF , VAS , IN , GPRS Testing Provided end to end connection to the customer

# PROJECT HANDLED

Employer Client Tele

Employer

# Sunera

* SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics .
* Devsecops [ Cloud bees CI and CD ]
* Micro Service with Java development
* Web application, Web Service, DB Performance Test, API Performance Test && Engg.
* Providing expertise on Performance Testing Capabilities, usage of Load Runner and other Load Testing / Monitoring Tools
* Performance Engg| Dynatrace | Appdynamics.
* Monitoring Test Results and Analyze Performance Metrics from Windows, Unix, Web Server, Test Tools and the application
* Identifying bottle-necks and tuning points.
* Improve application scalability and performance
* Devops Culture Build Up.

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# Wipro Digital [ Wipro Limited ]

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# Employer Cognizant Technology Solutions Pvt Ltd

Client Tele

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* + SRE
	+ SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics .
	+ Devsecops [ GCP/GKE/AWS /GKE/ Google Big Query /

Big Table/Pub Sub/ML/DataProc/Pyspark]

* + Micro Service with Java development
	+ Web application, Web Service, DB Performance Test, API Performance Test.
	+ Providing expertise on Performance Testing Capabilities, usage of Load Runner and other Load Testing / Monitoring Tools
	+ Performance Engg| Dynatrace | Appdynamics.
	+ Monitoring Test Results and Analyze Performance Metrics from Windows, Unix, Web Server, Test Tools and the application
	+ Identifying bottle-necks and tuning points.
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# Harman

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# Alten calsoft

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* Devops Culture Build Up

# IBM India Pvt. Ltd ( Source One)

**Clientele** Port of Singapore – 1 yr.

**Contribution** Performing application testing using JMeter / Load Runner / VSTS Managing EDI performance testing

Devsecops

* + - SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics .

SRE

Micro Service with Java development

Providing expertise on Performance Testing Capabilities, usage of Load Runner and other Load Testing / Monitoring Tools

Monitoring Test Results and Analyze Performance Metrics from Windows, Unix, Web Server, Test Tools and the application

Performance Engg| Dynatrace | Appdynamics. Identifying bottle-necks and tuning points.

Improve application scalability and performance Devops Culture Build Up.

Shift left Automation Testing.

**Clientele** Lufthansa – Cargo – 6 months

**Contribution** Handled performance testing for Online Billing application through VSTS / Load Runner

Managed ETL data load performance test

SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics

Devsecop s SRE

**Clientele** Philips Morris International -- 2 years

**Contribution** Mobile IOS / Android : CI CD

Web Service testing using SOAP UI Devsecops

SRE

Micro Service with Java development Performance Engg| Dynatrace | Appdynamics. Upgraded IOS 9 and .Net framework

Load Runner / Selenium /QTP / Xamarin / Perfecto /Appium /Jmeter Devops Culture Build Up.

Angular.js / Node.js

**Clientele** Banking client

**Contribution** Performed TIBCO testing and web service testing

Devsecops

SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics

Micro Service with Java development

Identified the presence and cause of system performance bottlenecks

Delivered testing for advanced products and integrated the same with third party products

Automation Testing

**Employer Orga systems India Pvt. Ltd, Kolkata Clientele** Vodafone - Fiji, PROTEI, TIM ITALY

**Contribution** Worked onsite with PROTEI, Malaysia for a project

Devsecops and SRE

SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics

Micro Service with Java development

Integrated test bed with VAS nodes, diameter GY interface with NGCP and OPSC gold

**Employer Ericsson Global India Pvt. Ltd, Kolkata Clientele** Aircel , Airtel , BSNL

**Contribution** BSCS Billing Testing, IN , VAS , PCRF , PCEF , Diameter Testing and L2 support Micro Service with Java development

SRE Capabilities , SRE KPI metrics , Devsecops Capabilities ,Devsecops [ DORA ] KPI metrics

Integrated test bed with VAS nodes, diameter GY interface Handle Trouble ticket daily basis. Client F2F daily basis Devsecops and SRE

# EDUCATION

**Bachelors of Technology in Information Technology** | Kalyani University, India (2004)

# LANGUAGE SKILLS

Fluent in English, Hindi and Bengali

# Present Address: Whitefield. Bangalore – 560087. Education Qualification: --

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| **Course** | **Year** | **Percentage** | **University / College** |
| **B. TECH ( Information****Technology)** | **2000-2004** | **72.60%** | **Kalyani/St.Thomas’ College of****Engg & Tech.** |
|  |  |  |  |
| **XII** | **1999** | **67.8%** | **Brata Chari Vidyasram** |
|  |  |  |  |
| **X** | **1997** | **70%** | **Brata Chari Vidyasram** |
|  |  |  |  |