Dipayan Mallick

Email: [dipayan.mallick@gmail.com](mailto:dipayan.mallick@gmail.com) | [LinkedIn](http://www.linkedin.com/in/dipayan-mallick) | Ph: +91 9330892318 | Kolkata, India

**Career Profile**

An “**RHCE**”, “**CKA**” and "**Google Certified Associate Cloud Engineer**" with good knowledge on “**Kubernetes Administration**”. A strongly skilled and experienced **Linux and Datacentre** consultant with **15** years of experience in managing multisite Datacentres in Europe and US with proficiency in **Shell Scripting, DevOps Tool** and **Puppet Automation**, Physical and Virtual Server Operation on VMWare and Nutanix environment.  Total **3** years of experience as **Onsite Build Engineer** for Linux Tower in Client location in **Netherlands**.

Transitioned, Retained and Maintained high-performing teams for Infrastructure Services large delivery programs and Global operations of enterprise customers with operating model of 20K- 30K devices and workforce exceeding 100+FTE with revenue of $50M USD. **Optimized Margin** for project using levers like **Automation** and Left Shifting of jobs.

**Skills**

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Core Competencies include

* **Linux** System Administration,
* **Container Orchestration** using **Kubernetes** for managing Application Deployments, Multi node cluster and pods, RBAC and Network policies and Security
* **Implementation Event driven autoscaling using KEDA for Horizontal Pod Autoscaler**
* Implementation of **Kubernetes on GKE** and implementation of **Istio as Service Mesh on Anthos** hybrid cloud environment
* DevOps based Operation using **Puppet, Git**,
* Installation of **LAMP** environment from building site using Drupal, WordPress.
* **RedHat Satellite Administration and implementation of cobbler service for kickstart environment and repository management for different Application specific build.**
* **Familiarity with Google Cloud Operation**
* Deep Analysis of Incident data, **3L5Y Root Cause Analysis**
* **Intelligent Task Automation**, Script based Automation using tools like Ayehu, Service Now Flow Designer,
* Set-up and manage the **Unix Engineering** and Research function for upskilling (training & deployment), solution reviews, assessments, providing crit-sit management across the portfolio of DevOps & Unix teams
* **Risk Management, Business Continuity Planning and External Audit handling**

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| **Professional Training & Certification**   * Six Sigma Yellow Belt Training - (Cognizant Internal Certification) * ITIL V3 (Cognizant Internal Certification) * Certified Kubernetes Administrator (LF-whh5ozw822) * Google Certified Associate Cloud *Engineer* ([*Certificate Credential*](https://www.credential.net/dd76c3d4-4938-4625-92db-0de980d5089f?key=e9921f07f6ff3e5b68a723d7bb63900290ffa32416733528fe37512da170a44d)) * AWS Certified Solutions Architect – Associate (BL0KE4ELCERQ1L3Z) * Redhat Certified System Administrator in Openstack ([*Certificate Credential*](https://rhtapps.redhat.com/verify?certId=110-101-565)) * Redhat Certified System Engineer ([*Certificate Credential*](https://rhtapps.redhat.com/verify?certId=110-101-565)) | **Client List**   * NNIP (Netherlands) * John Deere (US, India) * Vodafone-Ziggo (Netherlands) * ING Bank (Belgium) * ING Investment Management (Netherlands) |

**Professional Experience**

**@ Cognizant (2010-Present)**

**Job Profile: Technical Manager - Unix Engineering & DevOps Practice**

* Provide Delivery and manage Operations on 12000+ unix devices, facilitate transformation programs on Hyperconverged platforms like **Simplivity, Nutanix and Containerization** of Middleware services built on **Puppet/Jenkins/Ansible** DevOps environment
* Designed custom solution for FTP services on Redhat Cluster as replacement of NetApp 7 mode ftp service
* Migrated 1300 of EOL servers from RHEL 6 to 7 with build automation using Puppet and Satellite
* Creation **Puppet** modules and manifest for new releases for JVM deployment
* Co-ordination and execution of **RedHat Security Patching** (RHSA)
* Migration to **Kubernetes** environment Tomcat Application (UAT)
* End to end coordination for RHEL Server and Patch Management Process for 12000 servers. This includes Pre-Patching activity like listing of latest Erratas applicable to the environment as available on RHN and Post-Patching validation via Satellite Server.
* Responsible of maintaining ITIL Processes including Patch management, Change Management, and driving MIM call for Incident management for linux Technology Tower.
* Setup SAN/NAS connectivity on Linux Servers including Oracle RAC environment.
* Drafting and delivery of yearly Kaizen programs for **Digital Transformation** and **Process Improvements** and Re-engineering for Soft and Hard dollar benefits.
* Implemented Ayehu Automation and Service Now Flow Designer for **Incident and Task Automation**
* **Automated Service Now reporting** for daily and weekly KPI/CPI metrices as per SOW

**Job Profile: Technical Transition Manager**

* Coordinated 3rd Party Knowledge Transfer between other Service Provider & and Offshore Team for smooth handover adhering the Project Timeline for Knowledge Transition
* Analysed the SOW GAP and Transition Risk during Knowledge Transition Phase
* Build-to-Run transition for Unix tower of one of the largest ITO deals in US for Cognizant

**Job Profile: Onsite Unix Engineer**

* Provided End to End Support for RHEL Environment including Patching, Security Remediation, BAU Support
* Developed and deployed Automation of Daily Checks for production environment via HPSM
* Implementation of RedHat Satellite and Puppet for Linux Life Cycle Management
* Performance tuning for Oracle RAC and Grid Servers
* Configuring Network Setup, Routing, and NIC Bonding& Firewalls IP- Tables in Linux.
* Implemented Intelligent Automated Server Build process for different application stake like Oracle RAC, Middleware, Hadoop using RedHat Satellite and Puppet Manifest/Modules
* Incident Management, Problem Management, Change Management from OS perspective
* Preparation of Audit report for Unix tower for SOX compliancy
* Co-ordinate replacement of faulty hardware and generate SOSReport for troubleshooting
* Implemented CSI Benchmark for Security Compliance
* Implemented automated inventory scanning process using shell script for Data Center Consolidation project of Benelux based Major Bank in Belgium

**@ Open Source Software Solutions (2008-2010)**

**Job Profile: System Engineer**

* Requirement Analysis
* Implementation of LAMP Platform for Drupal 6.0/WordPress
* Troubleshooting technical issues as and when required along OS process monitoring
* Implementation Apache webserver integrated with Debian 5.0
* Troubleshooting technical issues as and when required.
* Database management and replication implementation,
* Backup management
* Documenting and creating knowledge bases for the entire project

**@ Avance Business Solutions (2007-2008)**

* Worked as System & Network Administrator for maintaining Kolkata and Washington DC Office Datacentres and Virtual Private Servers hosted on Linode VPS.

**@ Kolkata Metropolitan Development Authority (2006-2007)**

* System Engineer for Government of West Bengal’s Land Acquisition Cell
* Digitization of Land Information for BLRO offices under KMDA

**@ Brainware Academy (2005-2007)**

* Started career as Linux Trainer for RedHat Certification Course

**Education**

1. B.Sc. Physics Hons. (2002) CALCUTTA UNIVERSITY – India, WB

2. Master of Ecology & Environment (2004) (Distance)

3. Diploma in Hardware & Network (West Bengal University of Technical Education)

**Professional Reference**

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| **Subhendu Shaw**, Delivery Director @ Cognizant  Ph: +1 (612) 850-5094  LinkedIn - <https://www.linkedin.com/in/subhendushaw/> |
| **Virgil Ferrier,** Co-owner & Managing Director bij VIRGON BV  Ph: +31 0653337748  LinkedIn - <https://www.linkedin.com/in/virgil-ferrier-68709612/> |

**Achievement**

* Spot Award, Q2 2016 given by AVP-CIS, for Contribution to Liberty Global Project in Netherlands.
* Certificate for Appreciation given by Sr. Vice President in 2013 for extraordinary effort in ING Project,
* Associate of the Quarter - Q4, 2012

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