



KRISHNENDU BARUI

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Seeking mid-senior level assignments in AWS/Linux Admin and Chef Automation, profile with an organization of high repute.

SUMMARY

- Over 5.8 years of experience in IT Infrastructure Operations, Linux/AWS Cloud Administration and Chef Automation.
- Presently working with **ITC Infotech, Bangalore** as **Associate IT Consultant** from **Nov' 2016 to Present**.
- Previously worked with **Accenture Services and Globant Pune** from **May' 2011 to Nov' 2016**
- Adept at mapping client's requirements, custom designing solutions & troubleshooting complex information systems, as well as acting as an escalation gate to resolve critical issues of the team members from operations prospective
- A strategic planner with expertise in swiftly ramping-up infrastructure assignments on multiple platforms
- Abilities in leading & guiding project teams for delivering service to clients within specified schedule and budget
- Excellent communication and interpersonal skills with abilities in resolving complex hardware and software related issues

CORE COMPETENCIES

- Analyzing system activity and data flow diagrams to identify an enterprise requirements over AWS Cloud Platform
- Designing, developing, testing & de-bugging cloud based solution components for monitoring of applications and servers
- Providing technical support by training engineers on how to interpret client requirements and infrastructure architecture
- Communicating with end-users and engineers to ensure that new delivery models are in-line with architectural standards
- Handling application level patch management and routine administration using Chef CM Tool
- Facilitating consolidation, upgrades and migration services for servers hosted in AWS
- Ensuring that the goals of the incident management process are achieved and restoring normal service ASAP
- Building Client Infra over AWS adhering the understanding of Architecting prospective
- Knows Shell Scripting well but am passionate about learning new languages on demand.
- Working closely with business stakeholders for monitoring project progress and outstanding issues in AWS landscape
- Addressing business process workflow changes & handling communication and change management for both project team members and all affected stakeholders

ORGANIZATIONAL EXPERIENCE

ITC Infotech, Bangalore

Associate IT Consultant (PES)

[Nov' 16 - Present]

Project Handled:

Title: POC on Chef Automation and Engaged in Jenkins deployment in AWS Cloud

Client: Leading Check Processing Organization (Based on United Kingdom)

Role:

- Created POC on Build deployment through Chef
- Jenkins job creation to trigger periodic build of latest code check-in in TFS
- SCCM configuration and working on deployment process
- Configuration of Chef Server Core, Node and Workstation in AWS
- Internal KT sessions to Junior on foundation AWS and Chef Automation

Globant India Pvt. Ltd., Pune (Blue Ridge SEZ, Hinjewadi Phase - 1)

Sr. DevOps Engineer (AWS and Chef)

[May' 16 - Nov' 16]

Project Handled:

Title: POC on Cloud automation through AWS API/SDK and Configuration Management using Chef

Client: Digital E-Learning Service Provider (Based on Boston and Germany)

Role:

- Infrastructure health checks using CloudWatch and Nagios.
- Automate file transfer from through Chef Cookbook
- Monitoring Elastic Search Cluster using Elastic Search HQ
- Notification configuration of Mesos, OpsGenie, DataDog and Sentry with Slack
- Written Shell Script to take up periodic backup of Elastic Search and to create NFS share in AWS Linux Instance

Accenture Services Pvt. Ltd. (Kolkata and Pune)

AWS Cloud Support and Linux Administration

[May' 11 - May' 16]

Project Handled:

Title: Cloud (AWS) Support (Accenture Digital Analytics Solution Factory)

Client: Leading Multinational Automobile/Petroleum/FMCG Company (Across Canada, US, UK, Germany)

Role:

- Creation of AWS account, creating user and assigning IAM role, allocation of user policy to individual user.
- Creation of VPC, Openvpn, Security group, Subnet, Procuring Elastic IP and attaching additional EBS volume to Instances.
- Managing AWS S3 account, Redshift and RDS cluster creation, data migration between different AZ's.
- Configuration instance Snapshot from AWS and scheduling of SNS notification.
- Provisioning of instances inside AWS and uploading data using as per requirement.
- Provisioning of HA using AWS ELB and configuration Auto Scaling.
- Cluster patching using Chef Automation tool and OS Hardening.
- Uploading data into S3 and creation of bucket policies using JSON template.
- Deployment of entire infrastructure using Cloud Formation and several AWS API's and SDK
- Analysis SAR (System Activity Report) of Linux Cluster and monitoring Logs of CPU / Memory / Disk Utilization / NI Value.
- Acting as a part of Infrastructure Operation Center Team with a team of 55 people
- Providing Linux server support for overseas IT Infrastructure of our Client's Enterprise Cloud (By using Amazon Web Services) based Data Centers hosted across APAC, EMEA and AMER locations
- Presently I am aligned with Operation Center Support Team for performing Linux Administration and Support
- Working upon the Incidents/CRQ as per our defined work instruction and resolving those tickets within defined Service Level Agreement (SLA)
- Configuration and Administration of several Linux server parameters and thresholds to the open source tool Nagios.
- Adding Linux Servers in the Nagios console, Configuring threshold as per each device priority, Nagios Core configuration, Configuration of the Service Group, Host Group and Contact Information in the master server of Nagios, Commissioning and decommissioning nodes from the tools upon Change requests.
- Responsible to create and edit Disk partition, LVM, Quota. Also we are responsible to installation of several packages using YUM and Network kick start package installation. Configuration of SSH and PUTTY terminal service.
- Deployment of weekly / monthly patch to respective Windows/Linux servers using BMC Bladelogic Server Automation (BBSA) Application Suit as per approved change ticket used to raised by our client
- Execution of:
 - Bash Scripts to generate health status log of critical production servers
 - Batch files to automate the process of checking necessary prerequisites, before installing BBSA agent
 - SQL Query to fetch data of only DB log space used status from conventional systems
- Usage of BMC Promise as ticketing tool to work upon incidents and changes as per ITIL framework
- Calculation of overall incidents & changes count for every month and working integrated with IT Service Management (ITSM) Team to publish monthly KPI (targeted to stay in green zone) report

ACQUIRED KNOWLEDGE BASE

- Architecting of AWS Solution and Linux System Administration
- Gained good exposure in providing support for IT Infrastructure on AWS Cloud Environment. In parallel support for Infra Automation and loves researching on several Linux flavor and other AWS Services.
- Building knowledge base on Configuration management using Chef (Cookbooks, Nodes, Workstation and Chef Solo) and AWS API services (AWS CLI and Ruby Gems SDK)
- Knowledge buildup on AWS Lambda, API Gateway, Opswork, Route53 and CloudFront CDN

TRAINING ATTENDED

- AWS Solution Architect and DevOps Beginner Training:
 - Foundation of Cloud Computing and Service Models (IaaS, PaaS and SaaS)
 - AWS instance creation including VPC, S3 bucket, EBS, Security and Subnet group, Route table and Internet gateway
 - Applying Inbound and Outbound rule to dedicated Subnet Group
 - Configuring SNS notification and instance snapshot creation
 - Creation of IAM user applying Policy to users
 - Cluster planning by using best suited AMI
 - Understanding on how to interact with AWS (AWS SDK, AWS API, Command Line Interface, AWS CloudFormation)
 - DevOps Pipelining and Methodologies
 - Chef Cookbook Writing, Chef Node/Server/Workstation Configuration using Knife, Chef Solo and Kitchen.
 - Basics of Jenkins, Git, Shell and Ruby Scripting

VENDOR CERTIFICATION COMPLETED

AWS Certified Solution Architect – Associate Level (Certificate **AWS-ASA-21257** on **22nd Sept' 2016**)

ACADEMIC QUALIFICATIONS

- B.Tech. (Electronics & Communication Engineering) from Bengal Institute of Technology And Management, Shantiniketan, WBUT, West Bengal in 2010 with CGPA - 8.03 (Out of 10)
- Intermediate from Vivekananda Institution, Howrah, WBCHSE Board in 2006 with 71.40%
- SSC from Vivekananda Institution, Howrah, WBBSE Board in 2004 with 72.50%

EXTRACURRICULAR ACTIVITIES

- Actively involved in playing Football, Indoor Gymnastics and Israeli Martial Arts 'Krav Maga' (Civilian Version)
- Keen interest in listening of Alternative/Progressive Rock Music, R&B and Country Songs

PERSONAL DETAILS

Date of Birth: 12th April, 1988
Father's name: Subodh Barui
Residential Address: 15/1, Halderpara 2nd Bye Lane, Howrah - 711104, West Bengal
Languages Known: English, Bengali, Hindi and Spanish (Beginner Level)
Passport Number: J0560532 (Date of Expiry: 16/05/2020)
PAN Number: AYKPB9256F

DECLARATION

I hereby declare that the aforementioned information's are correct up to best of my knowledge and belief. Also, I bear the responsibility for the correctness of each academic and corporate credentials.

Place: Bangalore (Karnataka, India)

Name: Krishnendu Barui (Signature)