

CLOUD ARCHITECT/DevOps ENGINEER

SANDEEP KINAYATH

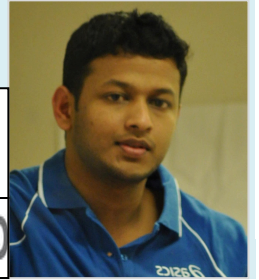
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Microsoft
CERTIFIED
Solutions Associate
Cloud Platform



PROFILE SUMMARY:

Experienced Multi Cloud and Virtualization Engineer with DevOps Skills and Experience in software configuration & release management, building & deploying software, process creation, automation & control environment management activities in Web based Cloud Application. Passionate about Big data Architectures, Data Engineering, Internet of Things & Open Source Software.

Adept at providing critical support to the implementation of a whole cornucopia of projects dealing with Continuous Delivery, Continuous Integration, Process improvement and development; creating innovation and excellence. Engages in a rigorous professional development, accruing a vast array of IT and technical proficiencies in order to establish new and innovative strategies to streamline processes.

Specialties: SAS, Hadoop, Python, Ansible, AWS, Azure, IAAS, SAAS, Cloud Computing, Cloud Operations, Linux, Automation, DevOps, Containers, DevSecOps, Openstack

ACADEMIC QUALIFICATION:

2015 – Single Course	1. Advanced Data Analysis and statistical modelling (R Programming) 2. Machine learning and data mining (Python) Technical University of Denmark ,Denmark
2011 – Masters Degree	MS Microelectronics Engineering Newcastle University, United Kingdom
2009 – Bachelor's Degree	B-Tech Electrical and Electronics Engineering Calicut University , India

TECHNICAL SKILLS & EXPERTISE:

Programming	: SAS, Hadoop , R programming, Groovy, python, Ansible.
Operating system	: Windows ,Linux (RHEL,Centos)
Big data Tools	: Hadoop, SAS ver.9/9.3/9.4 (BI,VA,DI studio)
Cloud Applications	: AWS, Azure, Google Cloud ,SAS Visual Analytics (VA)
CI/CD &Version control	: Jenkins,Gitlab, GIT
Amazon Web Services	: EC2, S3, VPC, Elaticcache, RDS, Cloud Watch, EMR
Security & Monitoring	: Nessus ,OpenVAS, Nexus,Monit,Sonarqube
Containerization Tools	: LXC/LXD, Docker, Kubernetes
Configuration Management	: Ansible
Test Automation	: Robot Framework ,Selenium
Data Metrics Visualization	: TICK Stack ,ELK ,grafana
Virtualization Platforms	: VMware, Virtual Box, Vagrant
Other Tools & Methodologies	: JIRA,LEAN, Agile Scrum,SAFe,Kanban

CERTIFICATIONS AND SPECIALIZED TRAINING:

- ❖ AWS Certified Developer-Associate(MPMJV84C1M44QHKJ).
- ❖ Google Cloud Certified Professional -Cloud Architect (Certificate ID: IW09Aq)
- ❖ Leading SAFe (4.5) -(Certificate ID: 11064492-9040)
- ❖ Implementing Microsoft Azure Infrastructure Solutions- Microsoft Certified
- ❖ Microsoft Certified Programmer (MCP) SQL Server 2012-Microsoft Certified.
- ❖ REDHAT (RHEL6,7) Trained Engineer-Redhat INDIA Partner
- ❖ Cloudbees Jenkins Trained Professional- cloudbees.
- ❖ Nagios Trained Professional.
- ❖ SAS Certified Advanced Programmer(Certificate no: AP017694v9).
- ❖ SAS Certified Platform Administrator for SAS9 (Certificate no: PA001542v9)

- ❖ **SAS Certified Visual Business Analyst: SAS Visual Analytics (Certificate no: VBA000492v71).**
- ❖ **SAS Certified Business Intelligence Developer for SAS9 (Certificate no: BICD001239v9)**
- ❖ **Developing Microsoft Azure Solutions- Microsoft Certified**
- ❖ **Certified Statistical R Programmer**-Certified by Coursera, Johns Hopkins University.
- ❖ **Lean Six Sigma Black Belt** - Certified by Anexas (A group Company of Anexas Europe).
- ❖ **Microsoft office, Excel, PowerPoint** (swift India2000) - Certified by NIIT.
- ❖ **Member of International Electrical and Electronics Engineers Association (IEEE) Denmark Chapter.**

WORK EXPERIENCE IN DETAILS:

March 2018- PRESENT DevOps Consultant Eficode, Copenhagen ,DENMARK

Performing customer audits relating to DevOps practices and tooling and Setting up customer/client automated integration and deployment processes

Clients worked:-

Jan 2019- Present Test Automation/DevOps Engineer- Sennheiser, Copenhagen, DENMARK

- ✚ Supporting Implementation and operational support of DevOps Implementation, Responsibilities include setting up of Jenkins Pipelines for development and deployment solutions by integrating with different other tools.
 - ✚ Migration of projects from Gitlab to Bitbucket and writing groovy scripts for Jenkins Pipelines
- Technologies used** includes - Jenkins, Robot Framework, Groovy DSL, python

Jul 2018- Jan 2019 Test Automation/DevOps Engineer- Volvo Cars, Gothenburg, SWEDEN

- ✚ Develop Python modules to create **Robot Framework** Keywords for Optofidelity, Aliaro I/O Switch, Text Recognition, Video Recorder, Infotainment Head Unit (IHU), Audio etc.
 - ✚ Created **GitLab Pipelines** to run coding style, unit tests, build and deploy of modules to repository. Also Developed **Jenkins** Pipelines to run the Integration Tests using Awesome Framework (Robot Framework).
 - ✚ Maintained **Robot framework** keyword Releases of the modules and update release information with documentation to stakeholders and test team.
 - ✚ Developed quality gates test repository and supported testers in achieving quality and implemented the **TICK** (Telegraf, InfluxDB, Chronograf, Kapacitor)stack for monitoring and visualization.
 - ✚ Administered the development environment, maintained stability in CI/CD monitoring the nightly pipelines running in **GITLAB Dockers** runners and Jenkins,
 - ✚ Configured Jenkins job with related plug-ins for Testing, **Jfrog Artifactory**, and Continuous Deployment to accomplish the complete CI/CD.
 - ✚ Taking periodic backups of Jenkins job, restoring in case of there is any issue with Jenkins server and Developed scripts for Monitoring the disk/process/CPU/memory using tools like **Zabbix**.
- Technologies used** - Jenkins ,Ansible, Docker, Gitlab,RobotFramework,Python,TICK stack etc.

Feb 2018- Jun 2018 Ansible/DevOps Engineer- A.P Moller -MAERSK, Copenhagen, DENMARK

- ✚ Develop **Ansible Playbooks** to Perform configuration management , continuous Integration for all **Build and Deployments** to multiple environments like Dev, QA, Performance and UAT.
 - ✚ Automated build and deployment process with Jenkins , eliminating manual effort
 - ✚ **Experienced in Docker , Jenkins** Continuous Integration Server – Installation, Configuration, Design and Administration, Plus experience of extending and integrating these tools with other systems, platforms.
 - ✚ Responsible for Configuration management by providing tokens (Build tokens, environment tokens) and replace them with default tokens during the deployment process.
- Technologies used** - Jenkins ,Ansible, Bitbucket, Git, Docker, Synopsis coverity

Nov 2016- Mar2018 Cloud Architect/DevOps Engineer- Infogrid Technologies . INDIA.

Experienced with the design, implementation and operational support of cloud(Google ,AWS cloud) and virtual Infrastructure environments using VMware, Microsoft Technologies. Remotely troubleshooting and manage Virtual Infrastructure for Cloud Services .

Client projects:-

Web Services Company: AWS Automation using python and boto3.

Assisted with development team in creation of virtual machines in EC2, creation of buckets and simple cloud storage s3 and Relational Database Service (RDS), Analyzing Log Files with EMR, setup an Elastic search cluster and Metric beat to monitor the metrics and services running on server.

Technologies: AWS, Python, Boto3, Elasticsearch, metricbeat.

Web Services Company: DevOps implementation.

During this project, Jenkins was set up with multiple Jenkins slaves, providing CI for a range of different development teams. I've assisted multiple teams in the implementation of building CI/CD pipeline.

Technologies: GIT, Jenkins, Jfrog Artifactory, ELK, SonarQube.

Networking company: web application CI/CD on AWS.

In this project I've assisted AWS cloud architects in building a CI/CD pipeline for PHP application deployment, I have integrated 3rd party integration tools to AWS for unit testing and AWS cloud watch for monitoring the AWS Code Pipeline and health of web application. Also, I have gained skills in managing infrastructure using Terraform & DevOps using Slack

Technologies: AWS, php, AWS Elastic Beanstalk, Code Pipeline, Cloud watch.

Ecommerce Company: CI/CD Implementation.

I have assisted multiple teams in implementing continuous integration/deployment is important (especially in fast paced agile environment), I have built an automated continuous integration (CI) pipeline with Jenkins, Gradle, Maven, Artifactory and corresponding plugins, I have also learned how to manage the build artifacts which are produced by the continuous integration (CI) builds

Technologies: Git, Jenkins, Gradle, Maven, Artifactory.

Web Services Company: Application Deployment

In this project I have assisted in building a Docker swarm cluster and integrate it with Jenkins CD pipeline, git is used in this project and with a simple push the system will automatically test, build and start the application.

Technologies: AWS, Angular.js, Docker.

Web Services Company: Application Deployment.

I have multiple teams and gained skills in using Teamcity and how to Maintain and version control database schema in an automated fashion (RoundHouse), responsibilities include Installation and configuration TeamCity on Windows and Linux platforms, Build and automated CI pipeline with TeamCity for .NET and Java platforms, I have Learned how to setup automatic building notifications within Teamcity and Integrated CI builds with Git repositories hosted in GitHub.

Technologies: GIT, Teamcity, Docker.

Jun 2014- Aug 2016	Cloud and Virtualization Engineer/Consultant	Preditto Consulting . INDIA.
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Responsibilities:-

As consultant worked on many projects including automation ,Continuous Integration, release engineering, security, provisioning, configuration management and cloud architecture on the AWS platform.

- ✚ providing assistance and virtual support on Big-data implementation and Hadoop Administration on AWS cluster cloud for the clients based on United States and Automate the Apache hadoop configuration using **Ansible , puppet.**
- ✚ Pseudo-Distributed Hadoop cluster installation and Automation using **Ansible playbooks** as per business requirement along with Installation and configuration of various Big Data packages such as Hive, Oozie, Flume, Pig etc.
- ✚ Experience in using version controller tools like **Subversion (SVN)** and **GIT , creating Branches, tags and providing SVN user access to all developers.**
- ✚ **Managed Daily Builds and Releases to QA and Debugged Build failures** and worked with developers and QA people to resolve related issues.
- ✚ **Analyzing application logs** in order to determine the possible cause of issues and reporting errors directly to the Dev team.

- ✚ Manage admin task and support for Cloud Services **IaaS** and **PaaS** .Monitor all environments using **Cloudwatch,Nagios, sensu** to ensure all servers are 100 % uptime.
- ✚ Handling all the releases and support the developers in the production making hotfixes.
- ✚ Promoting code from one environment to another environment thereby maintaining source code stability and ensuring timely release to internal testing team and client.
- ✚ Automating maintenance and regular jobs on AWS cloud infrastructure, Experience in handling full project life cycles. Responsible of scheduled maintenance, OS Patching, Anti-virus updates, and lot more, in the lean production hours after getting the Change Management approved from the CAB (Change Advisory Board).
- ✚ Providing One Click Deployment solutions by Integrating CI tools like Jenkins with AWS cloud and Configuration Management tools.
- ✚ AWS S3 and google cloud working experience for development environment. Cloudera CDH 5.4/5.6/5.8 distribution. Hortonworks HDP 2.4/2.5 ,HDF 2.1.1 and HD cloud for AWS
- ✚ Provide technical resolution to incident and problem events related to the Virtual infrastructure.
- ✚ Experience in designing and configuring AWS secured VPC solutions,Suggest, plan and implement various changes for incident resolution, architecture enhancement and capacity planning.

Jan2014 -Apr2014 **IT Consultant - Anexas Denmark**

Responsibilities:-

- ✚ Attended training conducted by Anexas and successfully completed Six Sigma Black Belt .
- ✚ Assisted in green belt projects also gained an overview of six sigma tools like Process mapping, SIPOC analysis, Voice of customer(VOC) Customer to Quality(CTQ), 5S,Rootcause ,FMEA analysis etc.
- ✚ Worked with project consultants and Gained Technical proficiency in minitab16 and working knowledge on regression analysis, ANOVA, parametric and nonparametric testing, graph plotting etc.
- ✚ Applied Six Sigma tools including the following: field usage FMEA's, manufacturing FMEA's, IPO diagrams, Design of Experiments (screening and optimization), Flow Charts, CNX/Fish bone diagrams, Control and Run Charts, Cpk analysis, etc.

Dec 2011-Sep2013 **Systems Engineer/ Team Leader - RGIS LLC Ltd, United Kingdom.**

Responsibilities:-

- ✚ Installation of Windows98, 2000 professional, XP, Vista, Windows7, Windows8, Windows Exchange Server 2003, Windows server 2003/2008, SQL Server 2008.
- ✚ Installation and configuration of Active Directory, DNS, DHCP, WINS.
- ✚ Creating Users, Groups, and OU's: setting up privileges /security, Implementing Group Policy Object.
- ✚ Configuration of the environments like Printing, Scanning, Backup.
- ✚ Disk Management, Disk Quota. Remote Support Go Global.
- ✚ Installation and Configuration of Local Printer and Network Printer.
- ✚ BACKUP: System Backup, Data Backup & D-link DNS Backup.
- ✚ Installing, Managing, Maintaining & Troubleshooting the Network devices like Switches, Router, ADSL & crimping cables, testing network connectivity.
- ✚ Configuration & troubleshooting Blackberry Enterprise Outlook Related Problems.
- ✚ Installation, maintenance & configuration SAP Software on Server & Client Side.

Aug 2009 - Dec 2009 **Electrical Engineer Trainee - Kerala Electricals Ltd, INDIA.**

Responsibilities:-

- ✚ Assists in Control and monitoring of electronic equipments, such as current converters, voltage transformers, and circuit breakers, Observes switchboard instruments to detect indications of line disturbances, such as grounded, shorted, or open circuits.
- ✚ Went out on site and assisted colleagues with analysis and calculations on Electrical Design Problems. The information gained was then relayed back to the drawings in the office.
- ✚ Maintained a can do attitude, attacks job with passion and demonstrated a sense of urgency to deliver excellent output.

OTHER DETAILS.

Languages English, Hindi, Tamil

Known- Danish Level2 (Pursuing at Copenhagen sprogcentre , Copenhagen),

- Interests**
- I regularly play football and cricket at a casual level to help keep fit. I also enjoy the aspect of winning as a team as it brings a great sense of achievement and camaraderie to me.
 - I occasionally go paintballing and particularly enjoy the teamwork aspect in order to devise new and innovative strategies for each situation to outthink the opposing team.
 - I have a good understanding of IT equipment and am competent in the use of it. I enjoy working on computers as I believe they allow you to be very creative and portray your ideas in a more intelligent way.

REFERENCES Available upon request.