

Ramit Surana

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Blog: <https://ramitsurana.github.io/myblog/>

Nationality : Indian

PROFESSIONAL SUMMARY

- A **Red Hat and AWS certified Cloud Engineer with 3 years of experience**
- Good skillset in using **Cloud based workflows and Devops.**
- Well versed in Agility strategies like **Scrum and Kanban** development processes.
- Hands on expertise in building **Monolith and Microservice** based applications.
- **Good communication skills and analytical ability** in both business and technical domains.
- **Committed, result oriented, hard working** with a quest and zeal to learn new technologies.
- Research Interests include Deep Learning and Big Data.

KEY TECHNICAL SKILLS

OPERATING SYSTEMS:	Windows, Linux, MacOS
SCM:	Git, Github, Gitlab
AUTOMATION TOOLS:	Ansible, Consul, Terraform
LANGUAGES:	Bash Scripting, Python, Golang
CONTAINER TECHNOLOGIES:	Docker, Kubernetes
DATABASES:	MySQL, Firebase, Redis
CI/CD	Jenkins, GitLab Pipeline
CLOUD PROVIDERS:	AWS(Amazon Web Services), Google Cloud Platform (GCP)
WEB SERVERS:	Nginx, Apache Tomcat
SERVERLESS:	AWS Lambda, Google Cloud Functions, Chalice/Serverless Framework
AGILE TECHNOLOGIES:	JIRA, Confluence
DATA SCIENCE:	Tensorflow, Pandas

EMPLOYMENT HISTORY

Hitachi Cloud Services, Pune (March 2019 - Present)	As Rean Cloud got acquired by Hitachi. Started working as a Devops Engineer for AHA(American Heart Association). As a part of the AHA project, I have been managing workspaces for various medical researchers across top universities such as Stanford, Harvard, Cornell, Yale etc.
Rean Cloud, Pune (November 2017 -March 2019)	Working as a Cloud Engineer. Component Owner for CI/CD using Jenkins. Create Rest APIs using API Gateway, Did the data migration from Azure Data Lake to S3 AWS, Creating AWS Glue ETL jobs for transforming data for analytics purpose, AWS Athena for enabling query on the relevant data etc.

Digital Product School, Germany (September 2018- November 2018)	Worked as a Software Engineer in Munich, Germany. The program is conducted by UnternehmerTUM (part of Technical University of Munich) and involves working as a team with different nationalities around the globe. The program involved the problem space within E-Cars and a prototype IOS app with firebase by Google Cloud as database for storing information.
IBM,India (March 2017- May 2017)	Worked as an intern at Global Business Services (GBS) under the Digital Integration Practice Group. Did research & analysis on the Cloud based Devops software architecture for Barclays, UK. Also,drafted out new microservices based continuous delivery pipeline documentation.
The Remote Lab,UK (June 2015- Oct 2016)	As a DevOps Intern & Core Contributor. Primary responsibilities include requirement gathering, coding, preparing POC's (Proof of Concepts), test case documents, writing various blog posts on the works & technologies covered by the DevOps area.

ACHIEVEMENTS

- Review author for books -
 1. CoreOS in Action by Manning Publication.
 2. Kubernetes in Action by Manning Publication.
- Speaker at XP(Extreme Programming) Conference 2016, Bangalore on the topic - Building Big Architecture using Microservices.
- Founder of awesome-kubernetes open source project for the kubernetes community as the largest non-official community list across kubernetes community. (<http://ramitsurana.github.io/awesome-kubernetes>)
- Published Paper on "Deploying a Cognitive Solution using IBM Watson on Bluemix" International Research Journal of Engineering and Technology (IRJET) Volume: 04 Issue: 04 | Apr -2017.

EDUCATIONAL BACKGROUND

Bachelor of Technology from B.K.Birla Institute of Engineering and Technology,Pilani (Batch 2013-2017)

- Served as Vice President of ACM from 2015-2016

PROJECTS

Project/Client	American Heart Association PMP Portal/ American Heart Association
Contribution	The project involved provisioning a real-time portal for medical researchers across the globe. We provide curated medical data for analysis and AWS grants for research. Part of my role is to maintain and improvise the efforts towards provisioning EMR Clusters, GPU Single Node Instances and backend infrastructure with Data Science Tools such as Jupyter Hub, Jupyter Lab and RStudio.
Technologies/Tools Used	EMR, AWS Lambda,Python, S3, HIPAA, Jenkins, Step Functions, Docker

Project/Client	IOT Solution for Real Time Attendance with Analytics/ Wipro
Contribution	The project involved a real time IOT based solution for Attendance Based System covering wipro campuses (100+) around India. The solution involved integrating an existing system with AWS Cognito for authentication using AD/ADFS, enabling real time analytics using AWS Quicksight Dashboard, Use ETL jobs for transforming data and notifications for real time use cases.
Technologies/Tools Used	Jenkins, AWS Lambda,Cognito, S3, Aurora MySQL DB, Quicksight

Project/Client	Infrastructure Automation/ Teradata
Contribution	For teradata automating infrastructure was a challenge. Using AWS we provided automation using kubernetes and ansible on a bare metal provisioned cluster. We used

	Jenkins for automating workflows using Pipelines & Jobs for deploying infrastructure and managing other components.
Technologies/Tools Used	Jenkins, Kubernetes, Ansible

Project/Client	Building Continuous Delivery with Kubernetes /Personal To build and experiment the continuous delivery models using Kubernetes
Contribution	The project was started with an aim to build different models using which continuous delivery can be possible with the google's orchestration engine called as kubernetes.I integrated the Jenkins plugin using which it could be made possible and demonstrated use case of a better framework model called fabric8 for achieving a similar goal.The post is live at blog .
Technologies/Tools Used	Kubernetes, Jenkins, Fabric8

Project/Client	Consul Tutorial /Tutorials Point The aim of the project is to provide the viewers of the client with an illustrative,well defined theory & example based tutorial on the topic for its viewers worldwide.
Contribution	The tutorial covered in 9 different chapters with various subcategories, starting from the basics to the advanced usage of consul.As the author,I have described & explained each of the different components of Consul,architecture,working and its usage in the cloud industry. The project is live here
Technologies/Tools Used	Consul

CERTIFICATIONS

Red Hat Certified System Administrator(RHCSA) | Certification Number : 140-134-297

AWS Solutions Architect - Associate | Certification Number: F3FSGJ11JF4QQCW1