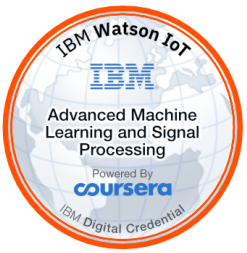

Kunal Sahu

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Contact No: +916205816243

Professional Summary:

- 10 Yrs of experience on designing ,developing architecture and platform(Infra) for highly scalable cloud based distributed System and Microservices applications using AWS, Open Source technology, JAVA and Linux, Docker, Kubernetes, DCOS.
- AWS Certified Solutions Architect – Associate
- 5G/Edge Computing (IBM AI Skills Academy) certification by IBM.
- Completed Technical Deep Dive of IBM Edge Computing.
- Applied AI with DeepLearning Certification by IBM
- Fundamental of Scalable Data Science Certification by IBM
- Advance Machine Learning and Signal Processing Certification by IBM
- Applied Text Mining in Python Certification by University of Michigan
- Implemented Breast Cancer Prediction model Using Machine Learning using Kaggle dataset.
- Strong knowledge on data structure, algorithms and excellent problem solving.
- Implementing a Machine Learning(Logistic Regression) model for breast Cancer Predictions using Kaggle Dataset, that include Feature Engineering, Model design and Implementation.
- NLP using NLTK and speech Recognition.
- Deep learning using Tensorflow/Keras.

Current Role

Working as an Technology Specialist in Coforge, Hyderabad from September 2021 to till date.

Professional Qualification:

- Master of Computer Application from University of Hyderabad in 2012.
- B.Sc(Math. Hons) From JP University Chapra, Bihar in 2007.

Technical skills:

Cloud	*: AWS (amazon web services)*
Technology	*: JAVA/J2EE, Docker, Spring 3.0. SpringBoot, Rest API. Angular 10.*
AI	*: AI, Deep Learning, Tensorflow, keras, Apache Spark,Jypter notebook, NLTK,*
Devops Tools	*: Ansible, Docker, Packer, Terraform, Docker, Kubernetes, DOCS, Kong, Gitlab,*
OS	*: Linux(ubuntu/centos)*

Professional Experience

Coforge (September 2021 to Till Date)

Project #1

Project Name: Santander- PCMS Simulation

Description:

Banco Santander, S.A., doing business as Santander Group, is a Spanish multinational financial services company based in Madrid and Santander in Spain. Additionally, Santander maintains a presence in all global financial centres as the 16th-largest banking institution in the world.

PCMS Simulation is a component of Credit risk that uses customer's data with Decision templates that include a predefined set of rules to calculate the risk associated.

Responsibilities:
Working to Design and develop Rest API using JAva8/11, Spring Boot for PCMS -simulation application.

IBM (May 2020 to August 2021)

Project #1
Project Name: Prudential RS- Payroll
Description:
Prudential Retirement is committed to providing retirement plan sponsors with customized and innovative solutions in ever changing environments.Payroll is one of the modules of Prudential-Retirement Services that process Funding aspects of Retirement plan. Payroll is a B2B application J2EE application.
Responsibilities:
Working as Module Lead to modernise & migrate the legacy B2B application to Pruhub which is aws based platform. Roles include gathering the business requirement , Converting them into User stories and Grooming ,Sprint Planning, Project Effort estimation, mentoring and helping the Team on Technical skills and business requirements. Transforming the legacy J2EE application to SpringBoot, Angular and Rest API centric Microservices Application.

Project #2
Project Name: Prudential RS- Reporting
Description:
Prudential Retirement is committed to providing retirement plan sponsors with customized and innovative solutions in ever changing environments.Reporting is one of the modules of Prudential-Retirement Services. Reporting is a B2B application J2EE application.
Responsibilities:
Worked as AWS Microservices Developer to modernise & migrated the legacy B2B application to Pruhub which is aws based platform. Transforming the legacy J2EE application to SpringBoot, Angular and Rest API centric Microservices Application..

Infosys Ltd(September 2018 to May 2020)
Project #1
Project Name: GET
Description
Torq is a cloud agnostic platform for onboarding kubernetes based microservices applications. Torq consists of three layers. Lowest layer is AWS EC2 to provide infrastructure to the platform. Second Layer consists of DCOS, which used to provide a distributed cluster operating system and container management platform and kubernetes. DCOS is also used for kubernetes clustering. Third layer is kubernetes which provides the platform to run kubernetes based microservices applications. Kong is used for ingress controllers. Gitlab is used for Container based CICD tools.

Responsibilities.
Roles and Responsibilities include but not limited to:

1. Interaction with clients & customers to understand the requirement and provide the solutions.
2. Designing and implementing a kubernetes based platform.
3. Designed and Implemented uptime SLA dashboard for kubernetes cluster using Datadog.
4. Designed and implemented datadog monitors that describe the health of the kubernetes cluster and send the alerts and notification with priority of incident.
5. Defined the kubernetes cluster matrix based on the number of nodes that define the level of critical (error, warn, info) a cluster is facing based on node failures and implemented the same with Datadog monitors.

6. Devops and Automation of repeated tasks.
7. Training the team to require a Project skills set.
8. Designing and Implementing the support process.

Proeject #2.
Project Name : MBUSA.
Descriptron
AWS based microservices application.
Roles and Responsibilities.

1. Migrating the existing application from a single AWS account to multiple AWS accounts. Where each account belongs to one environment
2. Understanding the Existing system and application
3. Undestaring the existing Terraform and ansible script.
4. Developing the terraform for a new environment for automating the complete infrastructure for all the applications.

.Fission Labs (March 2017 to July 2018)

Project #1:
Project Name : CallX
Description:
Call Recorder is the best automatic call recorder app that enables you to automatically record calls for quality analysis for Android based devices. Auto call recorder is new choice for both side voice phone call recording.
Responsibilities :

- Designing and implementing serverless architecture using AWS lambda, API Gateway, AWS Cognito, JAVA & Spring Boot

Project #2:
Project Name : Pypestream
Description:
Pypestream is a next generation messaging platform. A microservice based application.
Responsibilities :

- Maintaining and improving the existing Platform on AWS.
- Infra provision and configuration monitoring with Terraform and Ansible.
- CICD using Jenkins

Cognizant technology solutions (Nov 2016 to March 2017)

Project #1:
Project Name : OPU (Oxford University Press)
Description:
Responsibilities :

- Maintaining the existing infrastructure on aws and verizon cloud
- Provided L2/L3 support

Virtusa consulting services (August 2015 to November 2016)

Project #1
Project Name : BT-WLMS
Description:
Migration of BT-WLSM migrating the BT-WLMS to Cloud .

4 Pillar of BT-WLMS stack creation is , infra provision , configuration monitoring ,server and application monitoring and CICD pipeline (Build and release)creations happen through automated processes.

Responsibilities :

- Designing and implementing CICD pipeline using GoCD, Nexus, Maven and java,
- Automating the complete process of build , test, deployment process to Dev, QA, Staging, Pre-production and Production Environment

Project #2:

Project Name : Affiliation's Web Loyalty

Description:

Cloud assessment migration strategy for migrating existing workload form on premise datacenter to AWS cloud

Responsibilities :

- Understand the existing application and infrastructure architecture and propose to be state architecture on AWS for DEV, QA, Staging and Production Environment.
- worked on cost estimation to run the application on AWS.
- Worked on Designing VPC, Subnet, Security Group and ACL.
- worked on amazon web services recommendation to migrate the application to AWS Cloud.
- Designing CI/CD pipeline using AWS Codepipeline , AWS CodeDeploy.

Vasudhaika Software Solutions pvt ltd (August 2012 to July 2015)

Project #1:

Project Name : Kalgudi

Description:

KALGUDI is the Next Generation Cloud based platform for SMBs. Agriculture Sector is the kernel from which the whole Eco System of KALGUDI will emerge and enable the metamorphosis of the SMBs worldwide.

Roles and Responsibilities:

- Design and Implemented architecture for Dev, QA, Staging and Production Environment using AWS Cloud, open source, JAVA and Linux .
- Design and Implemented the application Architecture.
- Design and Implemented suitcase architecture.
- Design and Implemented communication channels among user set servers i.e suitcase architecture
- Scaling application using Haproxy and AWS ELB.
- In transit encryption using SSL and SSL termination using Haproxy and ELB.
- Design and Implemented backup disaster recovery using EBS , AMIS.
- Clustering of rabbitmq for high availability and high scalability of messaging systems.
- Writing a wrapper(Extending the Behaviour) on RabbitMQ and MongoDB to fit into Kalgudi Architecture.

Signature

kunal