

## PROFESSIONAL SUMMARY

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- Rank 4<sup>th</sup> (All India level) in azure hackathon conducted by Capgemini 2019.
- Having **4+ year's** of experience in Microsoft Azure and developing software applications.
- A Microsoft® Certified Microsoft Azure Developer.
- Expertise in **Azure Devops** for Continous Integration and Continuous Deployment.
- Expertise in **Terraform**.
- Expertise in **Azure Data Factory**.
- Strong knowledge on SOLID principles, OOPS, Core Java, J2EE, SpringBoot.
- Knowledge on .Net, C#, Scala.
- Hands on experience with PowerShell, PowerShell ISE.
- Hands on experience with **Apache kafka**, kafka producer and cosumer.
- Experience with JIRA, Agile Methodology, Scrum Meeting handling and Waterfall software development.

## MICROSOFT AZURE - CLOUD SERVICES

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<b>Compute</b>	Virtual Machines, Service Fabric, Virtual Machine Scale Sets, Linux Virtual Machines, App Service Plan, BatchAccount, Azure Spring Cloud.
<b>Virtualization</b>	VMWare, VSphere (UI for VM running on VMWare), Hypervisor.
<b>Networking</b>	Virtual Network, Subnet, ExpressRoute (hub-spoke technologies), VPN Gateway, Firewall, Azure Bastion, Azure private link (IpSec), Azure DNS, Network Security Group, Microsoft peering, OpenID connect office 365.
<b>Storage</b>	Storage Accounts (Blob Storage, File Storage, Queue, Azure Table, Storage Explorer), Azure Data Lake Storage Gen1 and Gen2.
<b>Messaging</b>	Event Hub, Event Grid, Service Bus, Notification hub, Apache kafka.
<b>Containers</b>	Docker, Docker Hub, Docker Images, Azure Kubernetes Service (AKS), minikube, Azure Container Instances, Azure Container Registries.
<b>App Service</b>	WebApps, Function App (Serverless Function), Logic Apps, API Gateway Apps.
<b>Databases</b>	Azure SQL Database, Azure SQL Server on DaaS, SQL Server on Virtual Machines, HBase (NoSql, HMaster).
<b>Analytics</b>	Databricks (Notebook), HDInsight (hadoop, spark, kafka, Hbase, ML(R)), DataLake Analytics, Stream Analytics.
<b>Security</b>	Azure Key Vault, Azure Active Directory, OAuth2.0, OpenID Connect, self hosted agents.
<b>IOT</b>	Azure Internet Of Things (IOT HUB).
<b>Devops</b>	Azure Pipelines, Continuous Integration (CI), Continuous Deployment (CD), Release Pipeline, GIT, Azure Repos, Azure Monitor, Azure Artifacts, Azure Boards, Terraform, Ansible.
<b>Monitor</b>	Application Insights, Apache Zookeeper, Log Analytics, Smart alerts and automated action.
<b>Tools</b>	Azure CLIs, Azure PowerShell, Visual Studio, DataBase Migration Assistant.
<b>Visualization</b>	Power BI, R.
<b>Deployment</b>	Deployment in IaaS, PaaS, Windows Service, CaaS.

## CERTIFICATION

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- **70-532 : Certification on Developing Microsoft Azure Solutions.**
- **Certification on Basic level of Apache Spark and Hadoop** in Udemy.
- **Certification on** Apache spark and scala in Edureka.
- **Certification on** Data Science Associate on R Language in EMCDSA.
- **Certification on** Java Trainee Programmer.
- **Certification on Apache Kafka** in Udemy.

## TECHNICAL SKILLS

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<b>Languages</b>	HTML5,CSS3, Bootstrap,JavaScript,JQuery,Angular,ReactJS,CoreJava,Scala,C#.
<b>Frameworks</b>	Ajax,Spring Boot,Microservice(Eureka),Spring Boot API Gateway, Hibernate,Spring Cloud,Spring Security(LDAP,JWT,OAUTH2.0),Apache KAFKA,Apache ActiveMQ.
<b>Unit Testing</b>	Junit Mockito.
<b>OS</b>	Windows server 2016,Oracle Linux,RedHat (RHEL),Ubuntu.
<b>IDE/Tools</b>	Eclipse Mars/Luna, IntelliJ,R Studio,Spring Tools Suite 4, Visual Studio2019,Microsft Visual Studio Team Services,Jira,Maven,SVN,Git.

**Git Hub URL** - <https://github.com/nave2912>

## Professional Work Experience

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- Currently working with **ISGN Corporation** from Aug 2020.
- Worked on **Object Frontier India Private Limited** from Feb 2019.
- Worked on **Kumaran Systems, Chennai** as a **Programmer** from Nov 2016 – Jan 2019.

## Own Project : CHARACTER ANALYSIS

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**Description :** SELF ANALYSIS is an web application written in java (spark library) and its hosted in azure webapp service.This application used to analyse feeds generated on social websites like facebook,twitter,instagram for that specified users.Based on that feed perform some operation in java(Spark) and stored in azure sql.Generate UI visualization in PowerBI from azure sql using directQuery and publish embedded URL.

**Technology:** Java,Spark,HTML5,CSS3,Bootstrap,JQuery,Azure virtual machine,Azure Function App,Azure Webapp,Azure SQL,Azure DataBricks,Azure Data Factory,Azure Devops,PowerBI.

### Roles & Responsibilities:

- Design azure sql database.
- Data Manipulation using spark.
- Design Databricks and monitor logs.
- Desing visuvalization for powerBI.
- Configure in Azure devops as CI & CD.
- Unit testing and Bug Fixing.

## PROJECT : Risk Rating Engine(RRE) – Release 2 Admin Web Applications

Feb 2017 – July 2017

**Client:** Canadian Imperial Bank of Commerce

**Role:** Trainee Programmer

**Technology:** HTML5, CSS3, BOOTSTRAP,JAVA SCRIPT,JQUERY,MYSQL

**Tools :** Eclipse,MySQL Developer.

**Description :** Risk Rating Engine Admin Web Application (or RRE - Admin) is to provide an interface to Administration Users to create new, customize or configure the Risk Rating Models such that the Risk Rating Model can be used by the common risk rating engine to calculate the obligor default rating for a given customer.

### Roles and Responsibilities:

- Design responsive UI for end to end application.
- Implement responsive logical implementation in JavaScrit & jQuery.
- Design multiple themes for end to end applications using CSS3.
- Screens handled with dump data designed in MySQL.
- Fixed the bugs in all the modules throughout the application.

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**PROJECT : Human Resource Management Systems(HRMS)****Aug 2017 – Feb 2018**

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**Role:** Trainee Programmer**Technology:** Java,JSP, JQuery, Ajax, HTML5, CSS3, Bootstrap, Oracle,Agile Methodology.

**Description :**HRMS is used to maintain the organization employee's leave management, No due transformation, Joining and relieving formalities, and personal details. It is very useful for the HR manager to maintain the employee related details in a single portal.

**Roles & Responsibilities:**

- Agile methodology followed.
- Involved in changing architectural design of the application.
- Involved in design screen for cab delay management,temporary card management,On Duty for organisation work.
- Involved in design and Implementation of Database Layer.
- Involved in design and Implementation of responsive UI Development using JavaScript,Bootstrap.

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**MINIMUM VIABLE PRODUCT: Extract,Transform,Load(ETL)****Mar 2018 –May 2018**

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**Client:** Canadian Imperial Bank of Commerce**Role:** Trainee Programmer

**Technology:** C# script, Azure data factory, Azure logic App, Azure Batch, Azure Function App,Azure logic app,Azure Table,Azure Blob Storage.

**Description :** IMM BACKTESTING is used to copy data from on-premises FTP to blob storage and execute task for processing that data using batch and then again stored that processed data on premises using azure data factory. If any error occurred it will captured in logic app and stored in azure table.The processed data are deleted in azure blob after 7 days of execution completed.

**Roles & Responsibilities:**

- Configured windows FTP.
- Involved in copy file from FTP to azure blob.
- Implement C# code for extract data from blob and perform manipulation on data.
- Processed data are stored in azure table.
- Involved in copy data from azure blob to linux server (backup) and delete from blob using azure data factory

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**MINIMUM VIABLE PRODUCT: Extract,Transform,Load(ETL) with Database Sync****Jun 2018 – July 2018**

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**Role:** Trainee Programmer

**Technology:** SSMA – Sql Server Migration Assistant,FTP,SSL,Azure Sql Server,Azure Logic Apps,Azure Data Factory, Azure HDInsight,Scala, mongodb,Spark.

**Description :** Migrating oracle database to azure sql server using SSMA (Sql Server Migration Assistant).

In FTP server ,client push customer record in CSV on daily basics.In Azure DataFactory, copy CSV files from FTP to azure blob storage using copy activity.In HDInsights,extract csv files from blob using spark and validate customer record in csv with azure sql database. Validated records are stored in mongodb for future process.

**Roles & Responsibilities:**

- Involved in create Windows Virtual machine and configure FTP Server .
- Generate and configure SSL certificate in FTP server.
- Invloed in create Linux server for backup processed files.
- Involved in implement Sql Server Migration Assistant.
- Involved in copy data from on premises FTP to azure blob using Azure Data Factory.
- Involved in transform data from azure blob storage to mongodb in scala programme and excute job .
- Involved in executing spark jobs in HDInsights.

**Role:** Programmer

**Technology:** Angular 6,Java,Spring Boot,MySQL.

**Description :** HR software for managing all workforce and employee-related activities and concerns. It make every HR workflow fast and simple.It is ideal for our company that want something that can be implemented easily and customized exactly to their needs and expectations.

**Roles & Responsibilities:**

- Developed FrontEnd in Angular 6.
- Involved in architectural design of the application.
- Developed Business, DAO layers with spring and hibernate frameworks.
- Involved in design and Implementation of Database Layer.
- Unit Testing and Bug Fixing.

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**MINIMUM VIABLE PRODUCT : DEVOPS (DOCKER AND KUBERNETES)**

**Jan 2019**

**Role:** Programmer

**Technology:** Angular 6,Java,Spring Boot, Azure Container Registry,Azure Kubernetes Service (AKS),MongoDB

**Description :** Demonstrate the setup of an Angular and SpringBoot project with microservice framework.The goal for the Deployment Setup is to build a Docker image of the project and to run it in a Kubernetes setup with a MongoDB image to have horizontal scalability of the front-end in azure.

**Roles & Responsibilities:**

- Involved in design microservice architecture.
- Implement frontend service in angular 6.
- Implement backend service in springBoot.
- Build docker image for frontend and backend service in linux environment.
- Deploy docker image in **Azure Kubernetes Service (AKS)**.

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**MINIMUM VIABLE PRODUCT : Client Data Management System**

**Feb 2019 – July 2019**

**Role:** Software Engineer ( CloudEngineer )

**Technology:** ReactJs,Java ( Spring Boot ),ReactJs ,Azure SQL,Azure WebApp,Azure Virtual Network,Azure logic app,Azure Function App,Azure DataBricks,Azure DataFactory,Azure WebApp,Azure Key vault,PowerBI.

**Description :** ETL for collecting files from client FTP and stored in azure blob storage as ingestion (extract). Transformation ( transformation and load ) can be done in spark (Java) program for read files from blob and create table in azure sql and stored blob files data in azure sql.Configure Azure Databricks for run spark program for copy Processed files . Validation can be done as stored data in sql has some unique id's. We have to send that unique id to client service.We got response as some valid data based on that we validate that.Implement azure functions for track and fetch data from azure sql and visuvalized in UI.This entire process are configured in azure data factory.Each azure services has some credentials which can be configured in keyvault.Implement PowerBI service for data visuvalization.

**Roles & Responsibilities:**

- Involved in configured virtual network,subnet,keyvalut,azure bastion.
- Involved in design azure datafactory.
- Extract files from FTP to blob storage using copy activity in datafactory.
- Implement Java (spark) for transformation as azure databricks.
- Track each activity in azure function app in java.
- Configure client service for validation in azure data factory.
- Configure POWERBI UI for sql data in azure.

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**PROJECT : Client Data Management System****Aug 2019 – Till**

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**Role:** Software Engineer ( CloudEngineer )**Technology:** ReactJs,Java ( Spring Boot ),Azure Active Directory,Azure Virtual Network,Azure logic app,Azure Function App,Azure DataFactory,Azure WebApp,Azure Key vault,Kubernetes.**Description :** Project for MSCI bank which maintain Insurance details of Client Company employees and its hosted on Microsoft Azure .Transaction replication used to replicate & sync data from client onprem SQL to azure SQL.In Azure function app , extract data from azure sql and do logical implementation (spring cloud dataflow using azure functionapp )for showing record for client in organized manner.We split that sql data into three modules (portfolio,positions,holdings).Client provide cloud api for validating the holdings is valid or not.In azure datafactory, configured web activity using rest controller for connecting cloud api via self hosted integration runtime.**Devops :** Maintain azure git repository for reactJs (node build tool),Java (maven build tool).Hosted Agent – Self Hosted Agent.Configure CI & CD pipeline for azure functionapp (JAVA),azure webapp (REACTJS + JAVA).**Azure AD :** ReactJS build are deployed in azure webapp with java(middleware).Authenticate webapp using Azure AD (Implicit flow). Using Java middleware to validate users and then only redirect to react UI.**Roles & Responsibilities:**

- Configured VNet,SubNet,NSG,cross policy and configured POWERBI for data visuvalization.
- Configured azure devops for automating deployment.
- Involved in create function app with Application Insight under app service plan.
- Involved in create SQL server and configure DTU.
- Involved in setup dev,qa environment for sql server,functionapp.
- Implement springboot using spring cloud in azure function app.
- Configure Azure Active Directory (OAuth2.0) for azure webapp.
- Configure client service (exposed in client cloud) api for validation in azure data factory.

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**PROJECT : Client Data Management System****Aug 2019 – May 2020**

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**Role:** Software Engineer**Technology:** ReactJs,J2EE(Spring Boot),Spring Cloud Api Gateway,Spring Security,OPEN API(Swagger),TLS/SSL, Eureka Server and Client,Windows Service Deployment,MSSQL,PowerBI,GIT,BITBUCKET.**Description :** Product for MSCI bank which maintain Insurance details of Client Company employees and application hosted on On-Premise.Having five types of microservice service application which all are integrated with Spring cloud api gateway.ReactJS as UI which invoke microservices via API Gateway.Implemented Eureka Server and Client for all our microservice application(In Future ,plan to do load balancing for microservice application). Each microservice are deployed as Windows Service in DEV/QA/PRE-PROD/PROD environments.Authentication are implemented via Spring Security. Build Automation (Continuous Integration and Continuous Deployment) are done by Team City using BitBucket tool.**Roles & Responsibilities:**

- Implement Spring Cloud API Gateway for routing microservice application.
- Implement Eureka Server and Client with Actuator.
- Implement OpenAPI (Swagger) for each microservice application.
- Implement Windows Service for each microservice application in dev/qa/ preprod /prod from build automation tool.
- Host ReactJs Application via HTTPS(TLS/SSL) using spring MVC.
- Implement Business logic on SpringBoot.

**PROJECT : POWERHUB****Aug 2020 – Till**

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**Role:** Senior Software Engineer

**Technology:** Azure app service plan, azure webapp, azure storage account, Azure Monitor (Alert and actions), Azure Logic App, Application Insights, Azure redis cache, Azure Container Registries, Docker, Azure devops repository, Azure devops Pipeline (Continuous Integration and deployment), Terraform, azure devops selfhosted agent, J2EE, SpringBoot.

**Description :** Product for MSCI bank which maintain Insurance details of Client Company employees and application hosted on Microsoft Azure cloud. Having six microservice service application which all are deployed in azure app service under app service plan as docker image from azure container registries. For DEV/QA/PRE-PROD/PROD each microservice are deployed as Azure webapp environments via devops. Each microservice application test result are published in azure storage account as website and triggered email on every deployments. For every deployment terraform will if infrastructure is exist. If not exist it will create by terraform configuration and then deployment will happen. Configured azure redis cache for faster access of data in webapp.

**Roles & Responsibilities:**

- Implement architecture design for migrating microservice application to azure.
- Implement azure devops pipeline for build and deployment flow via selfhosted agent.
- Configured azure container registries and maintain docker images in repositories.
- Create and maintain app service plan and webapp with docker deployment via devops.
- Configured Terraform for Infrastructure maintenance on before deployment.
- Implement Application Insights on each microservice application.

**Education:**

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- **B.E. Computer Science Engineering**, *Rajalakshmi Engineering College*