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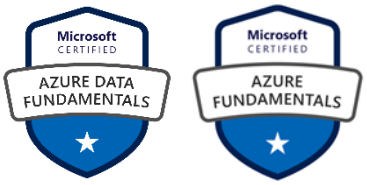

Professional Summary

- Around 3.5 years of IT experience as Cloud IoT full stack developer with in-depth knowledge on developing cloud IoT applications, frontend and backend applications, building, deploying in, maintaining in Azure.
- Experience in managing IoT device using Azure IoT hub and Azure functions
- Experience in connecting and controlling IoT devices using MQTT protocol
- Experience in Integrating Azure AD authorization for Single sign on between applications
- Hands-on experience in containerization and orchestration using Docker and Kubernetes in Azure.
- Experience in developing microservices using Java Spring boot and NodeJS, frontend application using ReactJS
- Automated build and deployment of applications using Jenkins and Spinnaker
- Managed IoT devices using Azure IoT hub and Azure functions.
- Integrated Azure AD authorization for SSO between applications and leveraged Azure Blob storage effectively considering optimized efficient usage of storage.
- Integration of Service Now API for automating Incident creation and Incident handling in service now
- Experienced with monitoring and debugging applications using Grafana dashboards.
- Experience in creating functions, Stored procedures and managing data using PostgreSQL and MySQL.
- Experience in Integrating Apache Kafka to use producer/consumer models between Java microservices
- Expertise skills on Administrating Production and non-prod environments, designing low cost highly available environments for critical applications carrying on Unix and windows operating systems.
- Experience in branching, tagging and maintaining the versions across the environments using GIT.
- Experience in build and deployment automation using Jenkins and Spinnaker.
- Established capabilities in application design, implementation, troubleshooting, monitoring, continuous improvement and change controls. Enhance and automates internal processes to generate efficiency.
- Understanding of Agile methodologies and process.

Education and Certifications

- Microsoft Azure AZ-900
- Microsoft Azure DP-900
- Bachelor of Engineering, Electronics and Communication.
- Cognizant Certified Professional (CCP) in Java, PHP, HTML CSS, User Interface Development.

Technical Skills

Cloud Technologies	**:** Microsoft Azure Cloud, Network, Storage, Active Directory (AD), Azure Kubernetes Service (AKS), Azure Resource Manager (ARM), ADLS, Blob Storage, Azure Functions, App Services, Webapps, PostgreSQL, IoT Hub, Azure Databricks.
Containers	**:** Docker, Kubernetes.
Operating Systems	**:** Windows, Linux.
Networking	**:** TCP/IP, SSL, HTTP/HTTPS, REST, MQTT/MQTTS.
Programming Languages	**:** Java, Python, React JS, Node JS, R, C, C++.
Frameworks used	: Spring boot, Hibernate, Maven, Express, Junit, Mockito, Bootstrap.
Databases	: PostgreSQL, MySQL, Cosmos DB, Mongo DB.
Monitoring Tools	**:** Grafana, Micrometer, Prometheus
Automation Tools	**:** Jenkins, Spinnaker
IDEs and technologies	: Eclipse, IntelliJ, Mosquitto MQTT, Spring Tool Suite, PGAdmin 4, Visual Studio, R studio, Jupyter, Spyder, OpenCV.

Professional Experience

IBS Software Private Limited **Jan 2023 - Current**

Role: Senior Product Engineer

Description:
Responsible for automating, monitoring and triggering alerts for various Airline operations such as takeoff, landing and fuel monitoring for multiple airlines. This application can be used for monitoring flight patterns in Airports and can also be used for monitoring individual aircraft's flight and stationary timings enabling airlines to create more efficient flight schedules.

Responsibilities:

- Responsible for developing **REST** API using **Spring boot**, hibernate
- Creating repository and version control using **Bitbucket**
- Managing database, creating functions and stored procedures in **Azure PostgreSQL**.
- Created unit test classes using **Junit** and **Mockito** to unit test the spring boot applications
- Created and maintained documentation on **build and release process and application configuration** to comply with **audit, security and Industry best practices**.
- Ensured a smooth transition of the project from the inception to its deployment in the Production.
- Providing technical support for the components developed applications.
- Integrating **Azure AD** authorization for SSO between applications
- Storing and retrieval of files from **Azure Blob** storage

Cognizant **Dec 2019 – Apr 2020 (Intern) , Oct 2020 – Jan 2023**

Role: Cloud IoT Java developer

Description:
Responsible for automating and monitoring various smart building solutions such as energy and water leakage monitoring through NCD IoT sensors, network monitoring through Cisco Meraki MX84 switches and Cradlepoint routers, integrating Meraki and NetCloud APIs for real-time WAN status monitoring, Integration of Service Now APIs for Incident creation, handling and escalation in case of critical failures, Triggering modem power recycle through IoT enabled smart plugs (Shelly plugs) using MQTT/MQTTS protocol. Though smart monitoring and managing, the downtime of networks and cost of maintenance was greatly reduced.

Responsibilities:

- Working as Java developer, responsible for developing **REST** API using **Spring boot**, hibernate and deploying the application in **AKS** (Azure Kubernetes services)
- Automated building and deployment of applications using **Jenkins** and **Spinnaker**
- Managed IoT device using **Azure IoT hub** and **Azure functions**
- Integrating **Azure AD** authorization for SSO between applications
- Storing and retrieval of files from **Azure Blob** storage
- Integration of Service Now API for automating Incident creation and Incident handling in service now
- Monitoring and debugging application using **Grafana** dashboards.
- Integrated **Apache Kafka** and created producer-consumer services in Java microservices.
- Performed CRUD operations in PostgreSQL database using spring JPA and JDBC
- Connecting and controlling IoT devices from **cloud MQTT** pub/sub message service using eclipse-paho and Spring boot.
- Containerization of Spring boot applications using **Docker**
- Creating repository and version control using **Git**
- Developed **reusable templates** and **reusable components** at various phases of the project.
- Automating handling PostgreSQL database using spring **JPA** and **JDBC**
- Managing database, creating functions and stored procedures in **Azure PostgreSQL**.
- Created unit test classes using **Junit** and **Mockito** to unit test the spring boot applications
- Created and maintained documentation on **build and release process and application configuration** to comply with **audit, security and Industry best practices**.
- Deploying the application on different environments (Dev, QA, PROD).
- Scheduling and verifying the System backup, restore and recovery.
- Ensured a smooth transition of the project from the inception to its deployment in the Production.
- Providing technical support for the components developed applications.

Redink **May 2020 – Aug 2020 (Intern)**

Description:
Responsible for creating Reactive web pages for using React JS and necessary backend APIs using spring boot for interactive school administrative web application.

Responsibilities:

- Responsible for developing frontend application using **React JS**.
- Responsible for creating backend **REST** APIs using **Java Spring Boot**.
- Managing database, creating functions and stored procedures using **MySQL** database.
- Hosting Application through **NGINX** web server.
- Automating handling MySQL database using spring **JPA** and **JDBC**.
- Developed modules using **HTML, CSS, Bootstrap, Java, Spring MVC**, Spring boot and hibernate.
- Developed **RESTful APIs** to read, store, process and react to the telemetry data and alerts received from IoT devices connected to Azure.

Achievements, Recognitions and Professional Training

- Won first place in robotics at intercollege competition
- Recognized as one of the top 20 papers on Artificial intelligence by Nokia.
- Secured first place in National Interactive Math Olympiad.
- Completed Mini Projects for Autonomous car prototype using Raspberry PI, Tracking system using GPS and GPRS, Poke yoke automatic dashboard manufacturing for Hyundai, License plate detector using python and OpenCV
- Computer vision through OpenCV, Machine learning and Deep learning
- Nvidia's Deep learning for computer vision
- Trained with Pierian Data/Udemy Fundamentals of Python and R for Machine learning.
- Trained with Pierian Data/Udemy Computer Vision with OpenCV and Deep learning.
- Machine and Deep learning, from Green Technology.
- C program, C++ program, Data structures from NIIT.
- Completed five-day In-plant training on building Core Java application at Spiro tech services
- Completed Artificial Intelligence workshop.
- Completed Autonomous Car Technology at Tesla minds.