**Mahesh Goud**

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**PROFESSIONAL SUMMARY:**

* **8+ years** of working experience with exceptionally focused and reliable Full Stack software development in all phases of **Software Development Life Cycle (SDLC)** which includes Analysis, Design, Development, Testing and Deployment of **web based, enterprise business** applications using the **JAVA/J2EE** technologies.
* Determined Knowledge in **reviewing Feedbacks** on business requirements to fully leverage technology and improve business functions, code to ensure **security**, **reliability**, **quality,** demonstrating mature levels of knowledge and experience with current technologies.
* Implemented technical solutions that definitively improve **scalability, performance, and profits** **with superior analytical, time** **management,** **collaboration** and **problem-solving** skills.
* Good Command in working with **JAVA8** features like **Functional Interfaces, Stream API, Time API, Transaction Management, Exception Handling, Collection API, Lambda Expressions**.
* Higher view knowledge on the **Spring Modules** like **Spring IOC** and **Dependency Injection, Spring MVC, Spring Batch, Spring Web Flow, Spring Security** (Authentication and Authorization), **Spring AOP** for **Code Modularity** and **Spring Boot**
* Developed and deployed **Micro Services** based applications using **Spring Boot** along with **Spring Rest** and **Node Js** with **ExpressJs**
* Implemented exception handling in **Java** **Spring boot** for **REST API** by making use of **Exception Handler** and Controller Advice **annotations**.
* Unified experience on implementing **SOA** (**Service Oriented Architecture**) using **Spring REST** to create **REST** resources that include several components like **Jersey Framework, spring Boot, JAX-RS, Groovy script** and used **WADL** for documenting **REST API’S**.
* Knowledge in configuring and deploying applications on different servers such as **Apache Tomcat, IBM WebSphere.**
* Worked on Open system cloud Platforms like Redhat **OpenShift, Docker swarm** and Developed, supported its environment with open source instances with **Docker UCP, DTR** and **Docker swarm** for Containerizing **Images, Kubernates** forAuto**-**Scaling**, Watchdog, Black Duck** forcheckingVulnerabilities**, Splunk** and **DynaTrace** for Metrics logs**, Prometheus** and **Grafana** for Health checks.
* Supported Microsoft Azure Cloud environment with 200+ Azure instances and configured Elastic IP & Elastic Storage and experience working with implemented security groups. Created **Function Apps**, **Disk, Logic Apps (Scheduler jobs)** and Solved Gateway time issue on load balancing and moved all the logs to **DynaTrace**.
* Working Experience on Integrating **Artifact Repository** to the Publish and utilize Binary Artifacts like **jFrog**.
* Extensive experience in **building** & **deploying** EAR, WAR, JAR files on **test**, **stage** & **production** servers
* Used **Docker Swarm** and **Kubernetes Linux container** for deploying and scaling containerized applications into On-Premises and Microsoft Azure infrastructure.
* Managed Linux and Windows virtual servers on VM using Chef Server and Familiar with Cloud, Elastic
* Deployment of Virtual machines and troubleshooting them on VM Management. Created **Ansible playbooks** for different environments for release and converted **Puppet** **scripts** into the Ansible Playbooks
* Installed **MongoDB, Cosmos DB** Using Puppet automation tool.
* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* IP's and managing security groups for **VM** Servers. Hands on experience with the **Docker CLI**
* Enjoyable experience in working with a team together to deliver best outputs in given time frames
* Unified experience on implementing **Micro Services** based applications using **Spring Boot, Node.Js, Angular 6 (TypeScript)** and **REST API’s**
* Good Knowledge and Experience on implementing **Spring Cloud** tools**- Netflix OSS** Stack for micro Services deployment, **Zookeeper** for **Configuration Management**, **Zuul** and **NGINX** as **API Gateway** for **Intelligent** **routing**, **Hystrix** (**Circuit Breaker**) for **latency** and **fault** tolerance, **Ribbon** for **Load Balancing** and **Eureka** for **Service discovery** and registration.
* Good practical experience with **Java-based** logging utility i.e. **log back, log4J and slf4j.**
* Good experience in using Software development methodologies like **Agile (Scrum, Kanban), Water Fall** methodologies

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | Java, Node.js, C, C++, PL/SQL, NoSQL |
| **Web Technologies** | HTML5, CSS3, TypeScript, AJAX, JSON, Bootstrap, jQuery, Angular2.0/4.0 |
| **Technologies & frameworks** | JSP, JDBC, SOAP, REST, XML, JPA, Spring MVC, Spring Boot, Spring cloud (Netflix Oss), Node.Js |
| **Databases** | MySQL, Cosmos DB, Microsoft azure storage explorer,SquirrelDB |
| **Application/Web Servers** | IBM Web Sphere, Apache Tomcat |
| **Messaging Services** | Rabbit MQ, Active MQ. |
| **Web service frameworks** | JAX-RS, JAX-WS, REST, SOAP |
| **Software Methodologies** | Agile, Scrum, TDD, Kanban |
| **Build & Configuration Tools** | Ant, Maven, Gradle, Jenkins, NPM, Groovy |
| **Testing Tools** | Junit, Mockito, Jasmine, Karma, Mocha, Chai |
| **Version Control Tools** | GIT, SVN, Bitbucket |
| **Project Management Tools** | JIRA, VersionOne, GitHub |
| **Cloud Technologies & DevOps Tools** | Microsoft Azure, Red hat Open Shift, AWS, Jenkins, EC2, Docker UCP, DTR, S3, Kubernetes, Docker swarm, DynaTrace, Splunk, |
| **Operating System** | Windows, Linux, Mac |
| **IDE’s** | Eclipse, Visual Studio code, IntelliJ, Spring Tool Suite, Sublime Text, WinSCP, MT Putty, FileZilla |

**EDUCATION:**

**Master of Science in computer science (M.S)** -University of Central Missouri, Warrensburg, MO

**Bachelors (B.Tech)** -JNTU University, Hyderabad, India.

**PROFESSIONAL WORK EXPERIENCE:**

**Client: Johnson Controls, Milwaukee, Wisconsin Jan 2019 – till date**

**Role: Project Onsite Lead**

**Project: Johnson Controls International plc** is a multinational conglomerate headquartered in Cork, Ireland, that produces automotive parts such as batteries and electronics and HVAC equipment for buildings. My role here is to build lead and support microservice applications in production environment and maintenance of **Docker containers, Databases** and **Scheduler jobs** in **Microsoft Azure** Infrastructure using **Devops** tools and **Docker Swarm** Orchestration.

**Responsibilities**:

* Responsible for Building Re-usable generic **Microservices** using **Spring Boot**, **Spring Cloud** in Onsite Offshore model by leading a team of 8 members.
* Worked as Onsite Implementation Technical Lead for Vendor Infosys on Client side.
* Co-ordinated and worked for Requirements gathering with Product Owners/ Stakeholders and as well as Business Users.
* Achieved implementations on time and earned best consultant honor.
* Implemented technical solutions that definitively improve **scalability, performance, and profits** **with superior analytical, time** **management,** **collaboration** and **problem-solving** skills.
* worked with **JAVA8** features like **Functional Interfaces, Stream API, Time API, Transaction Management, Exception Handling, Collection API, Lambda Expressions**
* Implemented the **Spring Modules** like **Spring IOC** and **Dependency Injection, Spring MVC, Spring Batch, Gradle/Groovy script, Spring Web Flow, Spring Security** (Authentication and Authorization), **Spring AOP** for **Code Modularity** and **Spring Boot**
* Developed **Azure Build** and **Jenkins** **jobs** for continuous Integration and Deployment in Test and Production Environment
* Provided support to the micro services deployed on **Docker** **containers** that hosted on **Azure Cloud** with **Docker Swarm Orchestration**
* Performed daily monitoring activities of Docker containers and servers with **UCP, DTR** and **server machine**
* Performed **Maintenance**, **patching**, **update** or **upgrade** Microservices and **Docker versions** in supporting operations.
* Implemented revised architecture using Azure Migration **SQL** and **Docker Containers**
* Created **stored procedures, Querying**, and **table designing**
* Planed, organized and controlled multiple responsibilities to achieve project objectives and Planning **schedule jobs** and **Logic Apps** (SQL JOBS), risks and resources.
* Performed Back-up and restored database using **Azure blob** and **Page Blob**.
* Support **Apigee proxies** implemented for all microservices
* Created ARM template for Azure **Ultra SSD** Preview
* Implement **Azure PaaS** offerings such as **App Service** Environments, **Web Jobs**, **Web Apps**, **Functions**, **Azure SQL**, **Search**, **Cosmos Db**, Azure **Functions**, **Logic Apps** etc. to optimize Server
* **Upgrading** Application software and **DevOps** tools to the latest version in cloud environment
* Assess the current Azure environment by using RBAC (**Role Base Access Control**) with **Azure AD** and Virtual Machine Creation.
* Provided recommendations in optimizing customer’s infrastructure or processes.
* Managed customer expectations and translate business requirements into a solution design.
* Implemented Docker container logs backup and monitoring with **DynaTrace**
* Developed automated solutions to **monitor** and **support** software development and release processes.
* Fixes for Transformation logic/ **Data parsing** to address critical production issues.
* Availability for **Monitoring** and maintaining Microservices based UI and Data bases hosted in Azure cloud
* Support and Maintain **Squirrel DB**, **Cosmos DB**, **Microsoft storage explorer** and **Azure storage** databases using software as a service (SAAS).
* Adjust technical connectivity using **Azure AD** so all interfaces keep working based on roles
* Perform interface **validations** and performance **testing** to insure no issues
* Performance **load** and **network** connection validations to insure impacts
* Bring Platform to supported versions for **Operating system**, **Data Base** and **Linux Kernel**
* Optimized the existing Azure architecture using Azure SQL + SQL backup and Restore

**Environment: Jenkins, Docker, Docker swarm, Docker UCP, Docker DTR, Microsoft Azure, Azure AD, Azure Scheduler Jobs, Logic Apps, Azure VSTS, Apigee Proxies, Service Now, Node.Js, Spring Cloud, Netflix OSS, DynaTrace, jFrog Artifactory, Cosmos DB, Microsoft Azure storage explorer, Squirrel SQL DB, Maven, Apache tomcat, Jira, Git Bash, GitHub, Source Tree (KDiff3), Spring Boot, Eclipse IDE, Java 8.0, Spring JPA, Groovy, AngularJs, Netflix Zuul, NGINX , Eureka, Visual studio code, STS, MT Putty, FileZilla FTP Client, Postman, Linux Virtual Machine, Azure CDN, Intellij.**

**Client: Fifth Third Bank, Cincinnati, Ohio Aug 2018 – Jan 2019**

**Role: Application Engineer**

**Project:** Fifth Third Bank (5/3) is a bank headquartered in Cincinnati, Ohio. Which is a principal subsidiary of Fifth third Bank corp, a holding company, it operates 1,154 branches and 2,469 automated teller machines in all over USA. My role here is to work in Application Development and Deployment into **OpenShift** Infrastructure using **Devops** tools with **Agile Methodology**.

**Responsibilities**:

* Responsible for **Applications** **Migration** from **Java6.0 (**End of the Life**)**, **Ant** Build and **IBM** **WebSphere** to **Java8.0, Gradle** build (**Groovy**) and Apache **Tomcat/ WAS 9.0** which will be a model for future Application Migrations.
* Responsible for following assistance in **designing** core shared services used by all development teams, most notably the **access controls** and **security credential management systems**.
* Capitalized complete **annotation** driven approach to develop the application using **Spring Boot** and was involved in setting up the **Spring bean profiling** also created build and deployment scripts using **Gradle/Groovy**.
* Pioneered with **JAVA8** features like **Functional Interfaces, Stream API, Time API, Transaction Management, Exception Handling, Collection API and Lambda Expressions**.
* Implemented a robust **RESTful (JAX-RS) Jersey** web service using **Spring Boot** tomodularize codeand automated documentation to the web services in the application is provided by **Swagger 2.0**
* Configure log insight to all the virtual machines where critical applications are installed. Created **dash** **boards** to various applications and **monitored** the logs using **Splunk** **Enterprise** and **Prometheus & Grafana**
* Maintain auto-scaling **OpenShift** **Pods** (preferred using cloud formation and scripting)
* Implemented continuous integration using **Jenkins**. Configured **security** to Jenkins and added multiple nodes for continuous deployments.
* Configured **SSH**, **SMTP**, **Build** **Tools**, and **Source** **Control** repositories in Jenkins. Installed multiple plugins to Jenkins. Configured Proxy to get auto updates
* Work closely with Project Managers to understand a code/configuration **release** **scope** and how to confirm a release was successful.
* Experience in automating day-to-day activities by using Windows PowerShell.
* Expertise in **OpenShift** infrastructure management (containers, Applications, nodes, logs, console, storage and monitoring).
* Implemented high availability with OpenShift **private** **cloud** deployment models in 2 locations.
* **Designed**, **configured** and **deployed** RedHat **OpenShift** for a multitude of applications utilizing the **private** **cloud** (Including Compute, Web & Mobile, Blobs, ADF, Resource Groups, HD Insight Clusters, Cloud Services, and ARM), focusing on high-availability, fault tolerance, and auto-scaling.
* Worked heavily on **jFrog** **Binary Artifactory** for Publishing and Retrieving the Binary Artifacts.
* Extensive experience in **VersionOne**, **GitHub** issues and insights for creating bugs tickets, storyboarding, pulling reports from dashboard, creating and planning sprints.
* Work on integrating **GIT** into the continuous Integration (CI) environment along with **Jenkins** and **Subversion**.
* integrating security systems like **Hashi Vault** in Development & Production Environment to fetch the secret credentials of the application
* Created post commit and pre-push hooks using Bash in **SVN** and **GIT** repos.
* Worked on testing, evaluation and troubleshooting of **MongoDB** and **Cassandra** **NoSQL** database systems and cluster configurations to ensure high-availability in various crash scenarios.
* Build, manage, and continuously improve the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Used shell scripting to automate procedures for automated deployment in Linux based systems.
* **Created repositories** according the structure required with **branches**, **tags** and **trunks**.
* Configured application servers like **WebSphere** and **Tomcat** to deploy the code.
* Developed **BASH** code to automate **server builds, OS patches**, and **deployment** of applications to **dev, test**, and **production** environments.
* Responsible for following assistance in **designing** core shared services used by all development teams, most notably the **access controls** and **security credential management systems**.
* Capitalized complete **annotation** driven approach to develop the application using **Spring Boot** and was involved in setting up the **Spring bean profiling** also created build and deployment scripts using **Gradle**.
* Worked with Enhancing **Microservices** using **Spring Cloud Netflix OSS** stack to address Load balancing using Ribbon, APIGateway using Zuul, Eurekaas service discovery and Hystrix Circuit Breaker for latency and fault **tolerance.**

**Environment: Jenkins, Docker, Kubernetes, Red hat OpenShift, Prometheus and Grafana, Splunk Enterprise, jFrog Artifactory, Hashi Vault, Ant, Gradle/Groovy, IBM WebSphere, Apache tomcat, Agile/Kanban, Version One, Git Bash, GitHub, Source Tree (KDiff3), Spring Boot, Eclipse IDE, Java 8.0, Spring JPA, Netflix Zuul, Eureka, Intellij.**

**Client: Sprint Corporation, Leawood, KS Jan 2016 – Aug 2018**

**Role: Full stack Engineer**

**Project:** Sprint Corporation is an American telecommunications company that provides wireless services and is an internet service provider, based in Overland Park, Kansas. It is the fourth-largest mobile network operator in the United States and serves 54.3 million customers. My role here is to work in Application Development team and Deploy into **AWS** Infrastructure using **Devops** tools with **Agile Methodology**.

**Responsibilities:**

* Responsible for Deploying and Maintain **Micro Services** developedwith **Spring Boot Jersey (JAX-RX)** using **Devops** Tools
* Completely taking the responsibility of **Jenkins**, **GitHub**, **Chef** and **Maven** to automate the deployment process
* Developed and implemented an automated **Linux** **infrastructure** using **Chef**
* Deployment of applications and coordinated with the core development team and level2 support team
* Coordinate developers with establishing and applying appropriate **branching**, **merging** Conventions using **GIT** source control
* Written **Ansible** **playbooks** to launch and automate **AWS** instances on Amazon Linux.
* Maintain **auto**-**scaling** AWS stacks (preferred using cloud formation and scripting)
* Have knowledge in creating Buckets in **AWS** and **stored** **files**. Enabled **Versioning** and **security** for the files stored.
* Worked in **Log** **Insight** and **Cloud** **watch** services to **diagnose** problems and configuring alerts.
* Experience in software build tools like **Apache** **Maven** to write pom.xml
* Responsible for **Continuous** **Integration** (CI) and **Continuous** **Delivery** (CD) process
* Configured the user accounts and restrict the Permissions for Continuous Integration
* Worked with the development team to generate deployment profiles (jar, war, ear) using **MAVEN** Scripts and **Jenkins**.
* Wrote **Chef** Cookbook recipes to automate the deployment process and integrated Chef Cookbooks into **Jenkins** for a continuous delivery framework
* Provide support and **troubleshooting** for Customer and Guest Wi-Fi issues related to connectivity, signal strength, and Captive Portal
* Assists in **troubleshooting** network system failures and ensuring appropriate action is taken.
* Assists in **installation**, **configuration**, **upgrading**, **maintaining** and **support** of network equipment and software including Cisco switches, Cisco routers
* Created and updated **Puppet** manifests and modules, files, and packages stored in the **GIT** repository.
* Also re-used and modified same Chef Recipes to create a Deployment directly into **Amazon** **EC2** instances
* Experience with Container based deployments using **Docker**, Working with **Docker** **images**, **Docker** **hub** and **Docker** **registries**.

**Environment: Java, IntelliJ, Eclipse, Spring, GitHub, Jenkins, Docker, Agile, Maven, AWS, Jira, Oracle, SpringBoot.**

**Company:** **Innovative Aqua Systems Pvt Ltd, Hyderabad, India** **Jan 2012– Dec 2015**

**Role:** **Java Developer**

**Project:** Innovative Aqua Systems Pvt Ltd is one of the India’s largest growing companies in Water Treatment Industry, which enables marketplace for small, and medium sized enterprise and Domestic Drinking water needs. Our project includes various modules like enrollment process, selection of user preferences for industries, allowing users to list items/materials for purchase, workflows among enrolled users, news groups, administrator module, e-mail support for enrolled users. My role in this project is to create UI interface and provide backend support using Java/J2EE technologies.

**Responsibilities:**

* Performed analysis for the client requirements based on the developed detailed design documents.
* Involved in developing the business components and responsible for developing the user interfaces using JSPs.
* Primarily focused on the spring components such as **action Servlets, actions, Model and View Objects, View Resolver.**
* Created several **JSP pages** as common library that included in the other pages as standard modules like Portlets.
* Developed **JSP’s with Struts custom tags** and implemented **JavaScript validation** of data.
* Used **JavaScript** for the web page validation and **Struts Validator** for server-side validation.
* Used **EJB 3.0** Session beans using **JBOSS** Seam Context Management (Application, Conversation, Session scopes) and implemented Business processes such as user authentication, Transfer of Service using **Session EJBs.**
* Wrote the high performance multi-threaded Java code using **singleton, mediator, visitor, facade, observer, template, factory and publish and subscribe design pattern**.
* Used various Core Java concepts such as **Exception Handling, Collection APIs** to implement various features and enhancements.
* Coded **JDBC** calls in the **Servlets** to access the **SQL Server** database tables.
* Used **SQL** and **PL/SQL** queries to perform database operations on **Web Sphere.**
* Created **stored procedures and database scripts** to populate database tables.
* Experience deploying code on **Web Sphere** server.
* Extensively used **XML** to code configuration files.
* Used **ANT** to build, run and create JARs and WAR files among other uses.
* Developed test cases by using **TestNG** for **unit testing** for each module developed in **test driven development.**
* Used **Log4j** to provide central logging facility and worked on SVN as version control system, on day-to-day basis to maintain the code history.
* Followed **Waterfall methodology** for development process.

**Environment:** **Java (v6), JavaScript (v1.8), JSP, Spring, Struts (2.x), EJB, SQL, PL/SQL, JDBC, Eclipse, IntelliJ, Web Sphere (v 7.0), JBoss (4.x), Adobe Photoshop (vCS5), XML, ANT, TestNG, Log4j, SVN (v1.6).**