**Sushma D**

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**Summary**

* Around **10 years** of working experience in **Agile environments**.  Extensive experience in full-stack web development, including **frontend, backend**, and **database design**.
* **Angular, React,** and **Node.js frameworks** were used to develop user-friendly front ends for numerous applications.
* Proficient in multiple programming languages, such as **JavaScript, Python**, and **Java.**
* Strong knowledge of frontend technologies, including **HTML5, CSS3**, and **JavaScript frameworks** (**React**, **Angular, Vue.js**).
* Expertise in **backend** development using **Node.js, Django**, and **Express.js**.
* In-depth understanding of relational and non-relational databases (**MySQL, MongoDB, PostgreSQL**).
* Familiarity with cloud platforms like **AWS** and **Azure**.
* Extensively utilized **Java 11, Java 8,** and have created and maintained numerous applications with them.
* Used **ANT, Gradle,** and Maven to implement and manage dependencies for a variety of applications.
* Have experience working with **GIT** version control tool.
* Worked with both **AWS** and **Azure** and have used them for cloud-based deployment and scalability.
* Worked on cloud services like **EC2, S3, EKS, AWS RDS, Docker, Kubernetes,** and **Jenkins** implementing instances for environments, storage solutions and deployments.
* Have experience working with Amazon **RDS, Mongo DB, Azure Database, MySQL, PostgreSQL**, and **Microsoft SQL** to store and retrieve data for multiple projects.
* Enhanced user experience by designing new web features using **MVC Framework** like **Express JS** and **Node.js**.
* Excellent Experience in working with **MEAN** and **MERN** stack technologies.
* Experience in Designing and building dynamic and user interactive websites using **HTML5, CSS3**, **JavaScript, Angular 4/6/7/8/9, Bootstrap, Ajax, React.js and jQuery**.
* Extensively worked in using **SQL, PL/SQL, JDBC** and creating stored procedures for both Oracle and SQL
* Server databases. Have experience in developing, testing, and deploying applications on various operating systems including Windows, **UNIX, and Linux.**
* Used logging technologies like **Log4j and SLF4J** to track down the issues and produce logs for production support.
* Solid understanding of software development methodologies and best practices.
* Excellent problem-solving skills and ability to work in a fast-paced and collaborative environment.
* Strong communication and interpersonal skills, able to effectively collaborate with cross-functional teams and clients.

**Technical skills**

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| --- | --- |
| **Programming Languages** | Java, C, C++, C#, Python, T-SQL, PL/SQL, XML, XSD |
| **Markup/Scripting Languages** | JavaScript, JavaScript 2.0, HTML, HTML5, CSS3, jQuery 3.0, AJAX |
| **Database Technologies** | MySQL, Oracle, PostgreSQL, MongoDB, Cassandra, Azure SQL Server, SQL Server 2017 |
| **Web Technologies & Frameworks** | Angular, ASP.NET, React, Node.js |
| **Development Frameworks** | Spring DI, Spring AOP, JDBC Template, JPA, Spring MVC, Spring Boot, Microservices, Hibernate, Servlets, JSP, JDBC, Log4j and SLF4J |
| **Testing Frameworks** | JUnit, Jasmine, Mockito, Karma |
| **Cloud Technologies** | AWS (S3, EC2, RDS, ECS, EBS, Dynamo DB), Docker, Kubernetes, Jenkins |
| **Azure** | Agile, Waterfall, Scrum |
| **Build Tools** | ANT, Maven |
| **Deployment Servers** | Tomcat, WebLogic, JBoss |
| **CI/CD** | Jenkins, Octopus, PCF |
| **IDE(s)** | IntelliJ, Visual studio Code, VS 2022, Eclipse |
| **Operating Systems** | Linux (Sun Solaris), UNIX, Windows, Mac OS |

**Work Experience**

**Sr Full Stack Java Developer**

**Cigna Health Care - Bloomfield, CT**

**January 2023 to Present**

**Responsibilities:**

* Adhered to **Agile methodology** and actively participated in daily **SCRUM meetings, sprint planning**, showcases, and retrospectives. **Utilized JIRA** as a tracking tool for sprints.
* Designed and developed responsive and user-friendly web applications using modern **frontend frameworks** (**React/Angular/Vue.js), HTML, CSS,** and **JavaScript**.
* Implemented **RESTful APIs and backend** services using **Node.js, Django, and Express.js.**
* Collaborated with the **UX/UI** team to create intuitive and visually appealing interfaces.
* Integrated external **APIs** and third-party services to enhance application functionality.
* Developed and maintained secure and **scalable** databases using **SQL** and **NoSQL** technologies **(MySQL, MongoDB).**
* Implemented automated testing and performed code reviews to ensure high-quality code.
* Optimized application performance and identified and resolved bottlenecks.
* Collaborated with cross-functional teams, including product managers and designers, to deliver projects on time and within budget.
* Involved in development of Test Cases using JUnit for Unit Testing.
* Implemented smooth message processing on a **Kafka Cluster setup** using **Spring Kafka API calls**.
* **REST** and **Apache Kafka** were used in the development of **Spring Boot Microservices architecture.**
* Worked on rendering utilizing components that contain custom **HTML tags,** the **React Virtual DOM**, and **React views**.
* Involved in migration of current Application to **AWS cloud**. Utilized various **Amazon Web Services,** including **EC2, S3, RDS,** and **Cloud Front,** to deploy code across multiple environments.
* Used Docker to collaborate code, run and deliver more securely for both **Linux** and **Windows Server**.
* Used **Kubernetes** for automating deployment, **scaling**, and management of containerized applications.
* Worked with the deployment of the services and applications on **AWS ECS** instances and **Kubernetes** by building the load balancing pods.
* Implementing back end service using Spring, Hibernate and CAMUNDA BPMN workflow engine, UI using angular5 and material design.
* Strong Experience **Test Driven Development (TDD)** using testing frameworks like **Junit, Selenium, TestNG**, **Mockito, Spock, Cucumber, Powermock, MockMvc**, etc.
* Proven ability in developing **BDD/TDD** scripts with **Cucumber** and writing step definitions for behaviour
* Implemented functional tests using **Java, TestNG/Junit framework** and **BDD** through **cucumber**.
* Used **BDD framework** with **Cucumber** and created future files with scenario and scenario outline files..
* Implemented **Rest API** to process the data from **DB** to another **Rest Service**.
* Engineered new microservices using **REST** endpoints to support different business needs utilizing **Java 11** and **spring boot.** Deployed services to **AWS** using **Kubernetes, Terraform**, and **HashiCorp Vault.**
* Optimized SQL queries, stored procedures, using Oracle database.
* Provided support for production and development system for **PL/SQL databases**. experienced in installing configuring and configuring **MongoDB.**
* Developed **BDD** **tests using Cucumber** by writing behaviour and step definitions & developed required **Selenium support** code in **Java** for **Cucumber**.
* Developed new streaming services using **Kotlin** to **support business features using spring boot and Kafka**.
* Developed **BDD test** cases with **Cucumber framework** and worked on **Test Driven Development**
* Proven ability in developing **BDD/TDD** scripts with **Cucumber** and writing step definitions for behaviour
* Configured and customized logs using SLF4J.
* Debug production issues using tools such as **PuTTy (Linux commands), SQL** developer for **oracle,** log analyzer and **Mozilla firebug/Chrome debugger.**
* Created New Relic dashboard for **microservices** to monitor performance and capture metric like **CPU** utilization, **memory utilization, Kafka traffic, Errors.**
* Utilizing **GitHub** for source code management, including posting code and generating pull requests.
* Extensive working knowledge of Cloud Watch, which is useful for doing a high-level, comprehensive health check on the application.
* Used POSTMAN to test the **RESTful APIs.**
* Maven was used to manage dependencies in the application and deploy it on **WebLogic** Application server.

**Environment:** **Spring Boot framework, Angular 9, HTML, CSS, Node.JS, Spring MVC, Java 11, Jasmine, Karma, Kotlin, JUnit, Apache Kafka, AWS, EC2, S3, RDS, Cloud Front, Docker, Kubernetes, AWS ECS, SQL, Oracle, PL/ SQL, Mongo**

**Full Stack Java Developer**

**E-Trade - Dallas, TX**

**May 2021 to December 2022**

**Responsibilities:**

* Participated in different stages of the Software Development Life Cycle and carried out the process utilizing the Agile methodology.
* Utilized **HTML5, CSS3, Bootstrap, React JS**, and **Redux** for the web application's design, development, and testing.
* Developed application using **Node.js** and **JavaScript libraries** with **NPM** package management system.
* Implemented **CRUD** operations from **Node.js** to **Cassandra** by using **Cassandra driver.**
* Used Java 8 to create the program and its capabilities, such as Streams and Lambda Expression
* Worked extensively with **JDBC/ODBC,** threading, exceptions, garbage collection, string builders, interfaces, and other key Java features. and processed and stored the data using Java 8 Streams and Lambda expressions.
* Developed new streaming services using Kotlin to support business features using spring boot and **Kafka**
* **Spring Boot microservices** were put into place to process the messages and put them into the **Kafka cluster** setup.
* Implemented a micro service architecture with **Spring Boot-based services** that communicated with each other via a combination of **REST and Apache Kafka message brokers**.
* Applications created and managed in **Azure Cloud. Azure DevOps** was used to manage Cloud native applications and services by building **CI/CD pipelines** and maintaining **DevOps** instances.
* Designed a **CI/CD pipelines** with **Jenkins on AKS** environment, used **Docker** as the runtime environment for the system's development, testing, and deployment.
* **PostgreSQL** in-memory instance implementation was used to carry out integration testing on different applications.
* In-depth experience in using **Kotlin** with Android Studio and Eclipse with **ADT plugin, designing UI layouts** using **Linear Layout, Relative Layout, Frame Layout, Table Layout, List View, Grid View** and using **Android native widgets and custom Widgets.**
* **JUni**t was used for prepared test cases and unit testing and **POSTMAN** was used to test the **REST API's**.
* Used **Log4J** to capture the log that includes runtime exceptions and Used the **Mockito framework** to do unit testing on several project modules.
* Used GIT version control for the software development and other version control tasks.
* Developed **Splunk** reports that offer a high-level breakdown of the application health.
* Effectively used **Splunk tool** to check for logs in **Non-Prod** and Production environments.
* Used Version 1 for issue monitoring and built the **Restful web-service** using **Apache Maven** as a build tool.

**Environment**: Agile, **HTML5, CSS3, Bootstrap, React JS, redux, react HOC, Node.js, NPM, Cassandra, Java 8,**

**Jenkins, Docker, Kubernetes, Kafka, JDBC/ODBC, REST API's, Lambda expressions, Spring Boot, REST, Apache**

**Kafka, Kotlin, JUnit, PostgreSQL, Azure Cloud, Log4J, GIT, Version 1, Splunk, POSTMAN.**

**Sr Java Developer**

**Republic Bank - Cherry Hill, NJ**

**Feb 2020 to April 2021**

**Responsibilities:**

* Worked using the Agile methodology, actively participating in requirement analysis, planning, developing, and testing the complete application, as well as team-based design and code reviews.
* Designed and upgraded the **UI** applications from **Spring MVC UI (HTML, CSS, JavaScript)** to **React JS** as part of the migration activity.
* Extensively worked on Implementing **Spring Boot Microservices** to divide the application into various sub-modules and developed **Microservices** to provide **RESTful API utilizing Spring Boot** with **Spring MVC**.
* Designed and developed the backend using **Node.js framework** and implemented modules into **Node JS** to integrate with designs and requirements.
* Monolithic code was deployed in Tomcat Application Server.
* Was implemented the developing the Monolithic applications to Microservices Architecture using **Spring Boot.**
* Launched multi-node **Kubernetes cluster** in **Google Kubernetes Engine** **(GKE)** and migrated the **dockerized** application from **AWS**to **GCP**
* Worked on **AWS SAAS, PAAS,** Hybrid Cloud and **Google cloud platforms (GCP).**
* Developed the application with **Java 8** and added capabilities like **Streams** and **Lambda Expression**.
* Worked on the **Kotlin** for **building the backend** components and **API resources, experience** working on **Json API** for creating multiple **API's**.
* Involved in developing and deploying the outcome using **spark** and **Scala** code in **Hadoop cluster** running on **GCP.**
* **Used Maven to build the application and deployed on JBoss Application Server.**
* Utilized **Kotlin** for implementing new modules in the application.
* Extensively used **Oracle 11g** to update and change database queries.
* Worked in deploying applications on the **Microsoft Azure** **cloud platform.**
* Collaborated in the creation of test cases using the **JUnit** and **Mockito** **frameworks** and kept the branch coverage over the required **85%.**
* Experience in building and **architecting** multiple Data **pipelines**, end to end **ETL** and **ELT** process for Data ingestion and transformation in **GCP** and coordinate task among the team.
* Working with **cutting-edge Google Cloud (GCP**) Big query technologies to deliver next-Gen Cloud solutions.
* Updated/committed changes from/to the repository using the **GIT client and handled merge/conflict** procedures.
* Extensively involved in implementation of **JMS** to exchange information over reliable channels in an asynchronous way by using **RabbitMQ** as a message queue.
* Used Maven to create jar files, **JMeter** for load and **performance testing**, and **JIRA** for **bug tracking** and project management and used **Log4J** to store log messages.

**Environment**: **React.JS, Spring MVC, HTML, CSS, JavaScript, Java 8, Streams, Lambda Expression, J2EE, JSP, EJB**, **JDBC, Node JS, Oracle 11g, Microsoft Azure, IntelliJ, Spring Boot, Spring Data, JPA, JMS, Kotlin, JUnit, Mockito, GIT, Maven, JMeter, JIRA, Tomcat Application server, Log4J, JMS, RabbitMQ, Agile.**

**Java Developer**

**Everest Re Group, Sunnyvale, CA**

**July 2018 to Dec 2019**

**Responsibilities:**

* **SCRUM** and the **Agile methodology** were used for all tasks.
* Front-end development with **HTML5, CSS3, SASS, Bootstrap, jQuery, JavaScript.**
* Developed business modules for the applications using **J2EE** technologies including **JSP, EJB, and JDBC.**
* Configured and customized logs using **Log4J** and used **IntelliJ** as **IDE**.
* Configured the **JBoss** application server, used the **Hibernate** **ORM framework**, and connected to an **My SQL** **database**. Used **JIRA** as tracking tool and used **JUnit framework** to do unit testing on several project modules.
* **Utilized JMS (MQ Series)** to send automated notification emails to the users of the application.
* **JAR** and **WAR** files were created using Maven and used **GIT** as a version control for maintaining versions of the application.

**Environment:** Agile, **HTML5, CSS3, SASS, Bootstrap, jQuery, JavaScript, Spring MVC, J2EE, JSP, EJB, JDBC, IntelliJ, Spring Security, SQL, MySQL, Log4J, JMS, JBoss, JUnit, WebLogic Application Server, JIRA, Maven, GIT.**

**Jr.Java Programmer**

**Client: Sails Software Solutions, India**

**November 2016 - November 2017**

**Responsibilities:**

* Involved in the Full Life cycle of the project, i.e., Requirements gathering, and in implementing OOAD using UML.
* Worked on Action forms, Action servlets and **struts-config.xml** **file** of **Struts MVC framework**.
* Adopted J2EE design patterns like Service Locator, Session Façade, Value Object and Singleton.
* Suggested a proper N-tier Architecture and designed the system using **J2ee & SOA** and designed innovative front end using **CSS and HTML.**
* Designed **UI** with **AJAX, DHTML** and **JavaScript** for more interactive web pages. Involved in implementation of client-side validations using JavaScript.
* Developed EJB Session Beans to communicate with Controller and database layer.
* Generated POJO classes to map to the database table. Wrote HBM Files for mapping java objects to tables in relational database and updated it as required.
* Used Oracle 9i as database and Involved in the development of Procedures, **Triggers** for **PL/SQL backend** implementation and using **SQL** created Select, Update and Delete statements.
* Involved in deploying the application in **WebLogic** application server. Developing and executing the **UNIX** Shell Scripts for deploying the application in the server.
* Performed Use case design, object modeling using **UML**, like Transformation of the Use Cases into Class Diagrams, Sequence Diagrams and Activity diagrams.
* Prepared Test cases and Reviewed Code and Test cases and performed Unit testing and system testing using **Defect Tracking System.**

**Environment:** **Java, J2EE, Servlets, JSP, Struts, EJB 2.0, JSTL, HTML, JavaScript, CSS, JSF, IBM WebSphere, Oracle, TOAD, SOAP, XML, Eclipse, XML Spy, Hibernate, UNIX, Windows.**

**Program Analyst**

**DataFactZ - Hyderabad, Telangana**

**August 2013 to October 2016**

**Responsibilities:**

* Project description: DataFactZ is a software company which helps in web development and digital marketing. As an analyst my role is to review code, perform test cases and maintain the existing digital advertising application.
* Involved in all stages of the Waterfall methodology-based **Software Development Life Cycle (SDLC),** including Analysis, Design, Code Development, and Implementation.
* Using **HTML, CSS, JSP, Ajax**, and **JSP tags,** responsive user interface modules were created.
* Developed **Restful Webservices** using **Spring MVC Framework**. **JSON** data is returned to **JavaScript clients**.
* Created stored procedures and SQL queries to access data from Oracle databases.
* Involved in setting up a CVS repository for configuration management and utilizing ANT to manage builds.
* Involved in writing JUnit test cases and suits used **Eclipse IDE** and performed debugging of the application **using Log4J**.
* Deployed the application in **WebLogic server.**

**Environment**: **Waterfall, J2EE, JDBC, HTML, CSS, JSP, Ajax, JSP, Spring MVC, SQL, Oracle, JSON, ANT, JUnit, Eclipse, WebLogic, Log4J.**

**Education**

**Master of Science, Computer Science Jan 2018 – May 2019 | Texas, USA**

**Texas A&M University**

**Bachelor of Technology, ECE July 2009 – April 2013 | India**

**Raghu Engineering College**