**Sireesha**

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**SUMMARY:**

* **About 8 years** of total experience in System Analysis, Design, Development and testing of web and client server enterprise applications using **Java/J2EE** Technologies.
* Trained **Agile Scrum** Safe practitioner
* Experience in practicing the phases of **Software Development Life Cycle (SDLC)**
* Experience in Application Design and Analysis in Unified Modeling Language
* Experience in developing **Cloud-Native Applications using Spring Boot, Microservice architecture and** **Apache Kafka** publish-subscribe messaging system
* Experience in **Agile Scrum** and **Waterfall** methods of Software Development
* Experience in **AWS** Event and message handling using IAM, SNS, SQS, and S3 Buckets.
* Experience in **Test Driven Development (TDD) and/or Extreme Programming (XP)**
* Worked with **Elastic search, Kibana and watchers** and trigger email notifications to support NOC team for monitoring operations
* Development of the **ETL** jobs and transformationsusing the **Pentaho Data Integration tool(Spoon)**
* Experience in **HashCorp Vault** for accessing, storing and revoking secrets
* Experience in **RSA with SHA** secure signing scheme for digital keys upload and signature.
* Experience in **symmetric and asymmetric encryption and decryption**  techniques using AES and RSA.
* Experience with **Spring Boot,Spring Web MVC, Spring Data(JDBC,JPA,NOSQL), Spring Core,Spring security(MVC,Oauth), Spring Vault** modules
* Worked Extensively on both **consuming and producing Restful web services**
* Experience in using design patterns like **Singleton, MVC, Chain of responsibility, Factory, DAO and Dependency Injection patterns**
* Knowledge in **Angular.js, JavaScript**, **XML**, **HTML**, **CSS** and **XHTML**
* Experience in using both **SQL(MYSQL,INFINIDB,MARIADB,SQLITE)** and **NOSQL(MONGO) databases** , **LDAP, REDIS and HashiCorp VAULT.**
* Experience in **Tomcat, Jetty** servers
* Installation and troubleshooting of J2EE applications in different environments leading to production on different **AWS Clusters**, **Nodes** and **JVMs**
* Worked extensively with **JUnit** and **Mockito** frameworks and REST CLIENT/POSTMAN/SOAPUI to test web services
* Experience in using IDEs like **Eclipse** and **Intellij**
* Experience in **Technical documentation** of new and existing J2EE software applications
* Experience in version control using **GIT** and **SVN**
* Experience in **Apache Ant**, **Maven**, **Jenkins** and **Sonar Cube**
* Good team player with excellent analytical and communication skills

**TECHNICAL SKILLS:**

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| **Languages and API’s** | Java (7/8), JSP, Servlet, HTML, DHTML, JavaScript, JDBC,JNDI,XML, ASP.NET,SQL, PL/SQL, WSDL (Web Services Description Language), ELK stack(Elastic search, Kibana) |
| **Web Technologies**  | HTML, DHTML, CSS, JavaScript, AJAX,Angular.js |
| **J2EEDevelopment– Tools/IDE** |  Eclipse IDE, Intellij |
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| **Frameworks** | Spring Boot and Spring,Hibernate |
| **XML Technologies** | XML, XSLT, XPath, SAX, DOM, JAXB |
| **Application Servers** | Tomcat ,Jetty,JBoss |
| **Database Management Systems** | Mongodb(Mongo3T), SQLite, SQL Server, Oracle, MySQL, PostgreSQL |
| **Cryptograpgy** | AES and RSA encrption and decryption, Digital Signature |
| **Modeling and Development Tools** | Rational Rose Enterprise Edition, Visio |
| **Versioning Tool** | Version One, JIIRA  |
| **Operating Systems** | Windows, DOS, UNIX, LINUX |
| **Source Control (SCM)** | SVN,GIT, BITBUCKET, GITHUB |
| **Messaging Framework** | Kafka**,J**MS |
| **Defect Tracking Tools** | JIRA Agile, QUIX |
| **ETL** | Pentaho Data Integration ETL tool (Spoon) |
| **User Registry** | LDAP Microsoft Active Directory |
| **Application Deployment** | Puppet, Building Enterprise Archive, Ant Scripts |
| **Other Tools** | SQL Plus, TOAD, PL/SQL Developer, Yellowfin BI tool,Jenkins, Puppet,AWS S3 bucket,SQS Queues,SNS topic, Microsoft Visual Studio |

# EDUCATIONAL QUALIFICATION:

Masters of Science: Computer Science

University of Houston-Cleaarlake – Texas, USA May 2013

Bachelor’s of Science: Information Technology

Acharya Nagarjuna University – AP, India May 2011

# PROFESSIONAL EXPERIENCE:

**Client :Epson America Inc , CA Nov ‘19 – present**

**Role: Java/J2EE Developer**

**Description:**

**E-Procurement**: Internal procurement application similar to SAP Ariba to place purchase order requests, get the budget approvals and create SAP orders.

**Responsibilities:**

* Used **Agile Scrum** to manage the full life cycle development of the project
* Involved in the SDLC phases to analyze the requirements, design, development, deployment and testing of the application based on Java/J2EE technologies and Design Patterns
* Maintain the existing legacy systems and support their migration from PHP codebase to Java/J2EE microservices
* Developed the application using **Eclipse** IDE and used the Version control system **Git** for providing common platform for all the developers
* Set up **AWS API Gateway** for securing **REST** API’s with Lambda Okta Bearer token authorization.
* Worked on AWS service like SES(Simple Email Service), RDS(Relational Database Service), SNS(Simple Notification Service), API Gateway.
* Built **Micro services** with **Spring Boot** and Spring cloud
* Worked on producing and consuming of **Restful API**’s
* Developed **DAO** classes with **Junit** using **Spring DAO** package for data access and data manipulation.
* Extensive use of maven to build and deploy the application into development environment and QA environment and work with the front-end developers in displaying the data
* Work with engineering teams and product owners to determine key data for defining the predeﬁned conﬁgurations and to identify unnecessary legacy information
* Extensively used GIT for story and bug tracking
* Deployed the application on **Tomcat** server’s
* Created Unit test cases using **Junit and Mockito frameworks**

**Environment:** Eclipse IDE, Windows, Java8, Spring Framework with Micro service Architecture, MySql, Restful web services, XML, Tomcat Server, JUnit, Log4J, JDBC, Maven, Git, MSOffice, AWS services like API Gateway, SNS, SES(Simple Email Service), RDS(Relational Database Service)

**Client :****Auction (Real Estate Marketplace) , CA June ‘19 – Nov ‘19**

**Role: Java/J2EE Developer**

**Description:**

**Post Auction Contract Management**: Auction.com is thenation’s leading online real estate marketplace with largest inventory of residential bank-owned, foreclosure, short sale and rental properties that has streamlined the distressed property transaction for buyers and sellers. It helps the buyers to search, track and research properties, bid at live and online auctions and win the auctions.

**Responsibilities:**

* Used **Agile Scrum** to manage the full life cycle development of the project
* Involved in the SDLC phases to analyze the requirements, design, development, deployment and testing of the application based on Java/J2EE technologies and Design Patterns
* Maintain the existing legacy systems and support their migration from PHP codebase to Java/J2EE microservices
* Developed the application using **Intellij** IDE and used the Version control system **BitBucket** for providing common platform for all the developers
* Built **Micro services Architecture** with **Spring Boot** and Spring cloud with **Oauth2** protection
* Worked on producing and consuming of **Restful API** to receive and send the files to **Subscribers**.
* Worked with **Apache Kafka** publish-subscribe messaging system to integrate with **Salesforce** API’s
* Developed **DAO** classes with **Junit** using **Spring DAO** package for data access and data manipulation.
* Extensive use of maven to build and deploy the application into development environment and QA environment and work with the front-end developers in displaying the data
* Work with engineering teams and product owners to determine key data for defining the predeﬁned conﬁgurations and to identify unnecessary legacy information
* Extensive use of Collection Framework features like Map, Object, List to retrieve the data from Web Service, manipulate the data to incorporate Business Logic and save the data to the MySql database
* Extensively used JIRA for story and bug tracking
* Deployed the application on **Tomcat** and **JBoss** server’s
* Created Unit test cases using **Junit and Mockito frameworks**

**Environment:** Intellij IDE, Linux, Java8, Spring Framework with Micro service Architecture, Kafka, PHP, HTML, Javascript, MongoDB, MySql, Restful web services, XML, Tomcat Server, JUnit, Log4J, JDBC, Maven, BitBucket, MSOffice, Winscp

**Client :Thales Avionics (In-flight Entertainment) ,CA Jan ‘15 – June’19**

**Role: Java/J2EE Developer**

**Description:**

**InflytCloud Development**: IFC is a Big Data Business Intelligence software deployed in the Cloud on over 40 AWS nodes, features include airline entertainment user statistics, transactional information ,error analysis and personalized information. It is a management interface for all the subscribers say based on the airline and type of data from the aircraft. This ground application manages the offloaded data from the aircraft. The offloaded files are processed and cataloged allowing the data to be analyzed by interested parties to better understand how the system is being used.

**Environment:** Linux, Java7 and Java8, Spring Framework with Micro service Architecture, MongoDB, InfiniDB,Mariadb(MySql), Pentaho Data Integration tool(ETL), Angular.js, HTML , Maven, git, VersionOne,JIRA Agile, Yellowfin Analytics BI tool, LDAP, Puppet, Confluence,Jenkins,ELK stack(Elastic search, Kibana,Watchers), Kafka, AWS S3 bucket, SNS topic, SQS queues

**Responsibilities:**

* Used **Safe** **Agile Scrum** to manage the full life cycle development of the project.
* Involved in the SDLC phases to analyze the requirements, design, development, deployment and testing of the application based on Java/J2EE technologies and Design Patterns
* Built **Micro services Architecture** with **Spring Boot** and Spring cloud with **Oauth2** protection
* Developed applications using **Spring, Angular.js and HTML** on the presentation layer, the business layer is built using spring and the persistent layer uses **MongoDB** **, Infini DB/Mariadb**
* Deployed the tool on **Apache Tomcat** server
* Worked on producing and consuming of **Restful API** to receive and send the files to **Subscribers**.
* Developed **DAO** classes with **Junit** using **Spring DAO** package for data access and data manipulation.
* Worked with **Spring Vault** for accessing, storing and revoking secrets
* Worked with RSA with SHA secure signing scheme for digital keys upload and signature.
* Extensively used **Maven** build tools for automating software build processes and managing build artifacts.
* Development of the **ETL** jobs and transformations using the **Pentaho Data Integration tool.**
* Used Yellowfin as a Business Intelligence tool for dashboard reporting.
* Configured and created application log files using **Log4j** required to trace application and **GIT** for version controlling
* Worked with **Elastic search, Kibana and watchers** and trigger email notifications to support NOC team for monitoring operations.
* Worked with engineering teams and product owners to determine key data for defining the predeﬁned conﬁgurations and to identify unnecessary legacy information
* Worked with **Continuous Integration and Deployment** process using Puppet modules ,Jenkins and R10K

**Hewlett Packard , CA** **June ‘13 – Dec ‘14**

**Role: Java/J2EE Developer**

**Description:** HP App Insight is a light weight and pluggable single management interface to HP AppSystems and HP Core Platforms. This management product is platform independent and will provide compliance check for predeﬁned conﬁgurations, updates for system and application parameters, node provisioning, and integration with application and platform speciﬁc management tools. This tool is developed in three interfaces say GUI, Batch and CLI with common core framework . Along with this tool development, automated Network connector(Socket programming) and Portal Update modules and integrated them to the framework.

**Responsibilities:**

* Involved in the SDLC phases to analyze the requirements, design, development, deployment and testing of the application based on Java/J2EE technologies and Design Patterns
* Developed the application using Eclipse IDE and used the Version control system SVN for providing common platform for all the developers
* Developed the multi threaded framework with Object Oriented Analysis and Design( OOAD) concepts and Service Oriented Architecture (SOA) mostly in cross platform environments using Restful web services with JSON representation and XML parsers like JAXP (SAX and DOM) and JAXB
* Used JAAS security mechanism to separate the concerns of user authentication so that they can be managed independently
* Executed the SSH operations using Ganymed module to log in to remote systems and to work interactively
* Extensive use of maven to build and deploy the application into development environment and QA environment and work with the front-end developers in displaying the data
* Work with engineering teams and product owners to determine key data for defining the predeﬁned conﬁgurations and to identify unnecessary legacy information
* Extensive use of Collection Framework features like Map, Object, List to retrieve the data from Web Service, manipulate the data to incorporate Business Logic and save the data to SQLite database
* Extensively used SVN for version control management and QUIX for bug tracking
* Deployed the tool on **Jetty** server
* Created Unit test cases using **JUnit**

**Environment:** Eclipse IDE , Core Java with multi-threading, J2EE, Servlets, Restful web services, XML (DOM and SAX), JAXB, JAAS, Jetty Server, JUnit, Log4J, JDBC, SQLite, Maven, SVN, MSOffice, QUIX, Putty, Winscp

**Mind Agile LLC, TX Jan ‘12 – June ‘13**

**Role: Java/J2EE Developer**

**Description:**Rail routing web application by allowing users to submit changes to rail time table. In order to keep the database of rail schedules up-to-date, we intend to make the rail schedules be modified by users of the web application. That way, the focus of the application would be to provide efficient routing and maintaining accurate time table database.

**Responsibilities:**

* Attended discussions with the client to discuss and understand various components of the requirement and to implement the same
* Involved in deriving at class diagrams and sequence diagrams during the design phase of the project using UML
* Status report was provided to the manager regarding the progress of the task assigned at both the beginning/end of the working day
* Used **spring framework** with the help of **Spring Configuration** files to create the beans needed and injected dependency using Dependency Injection.
* Designed, developed and maintained the data layer using **Hibernate** and performed configuration of **Spring** Application Framework.
* Developed and reviewed the code and performed **Junit** test cases.
* Provided reports and charts using SQL, EXCEL, Power point . Maintained Shell scripts
* Extensively written **JQuery** for responsive event handling.
* Used **JAX-RS** for creating **RESTful** web service where the request and response are in **JSON** format.
* Generated static WebPages using **HTML** whose layout and presentation was described in **CSS** language
* Used **UI** such as JavaScript for enhancing the user interaction with the application and for client-side validation.
* Implemented **Angular JS** Service layer with utility functions to get data from back end using Rest based service calls and pass back to **Angular Controllers**.
* Used **SVN** version controls to main using **Tortoise** **SVN** tool.
* Involved in creating and extracting data from database using **SQL Queries, PL/SQL** on Oracle database.
* Extensively used **log4j** to log regular debug and exception statements.