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| Meghna Marvanthe | |  |  | | --- | --- | | 469-850-4192 |  | | meghna.marvanthe@gmail.com |  | |

Over 8+ years of experience involving all phases of Software Development Life Cycle (SDLC) including planning, analysis, design, implementation, testing and maintenance of Multi-Tier distributed, secure enterprise applications using Java/J2EE technologies in domains like Finance, Banking, and Insurance.

# Professional Summary

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| * Experience in application development using Software development methodologies such as **Agile, Waterfall development and TDD (Test Driven Development) environments.** * Expertise in the implementation of Core Java concepts of **Java, J2EE Technologies: JSP, Servlets, JSF, JSTL, EJB transaction implementation (CMP, BMP, Message-Driven Beans), JMS, Struts, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data structures etc.** * Experience with **Java8 streams, Lambda functions, Method references, Filters, Predicates, collections, and other default methods.** * Expertise in solving architectural issues using various design patterns such as **MVC, Singlet, Session Facade, Service Locator, Factory, Abstract Factory, Adapters, DAO, DTO and Business Delegate.** * Experience in UI frameworks such as **jQuery, Ajax, JavaScript, Nodejs, Reactjs, Backbonejs,Angularjs** and experience in **Client-side validations**. * Experienced in Full Stack UI Technologies using **Grunt, Gulp, and Yoman generator for Angularjs**. * Developed core modules in large cross-platform applications using **JAVA, J2EE, Spring, JSF, Hibernate, JSP, Servlets, EJB, JDBC, Web Services (SOAP, REST), E-Commerce, Microservices**. * Experience working with persistence framework like **Hibernate/JPA** for mapping Java classes with database and using **Hibernate Query Language (HQL).** * Knowledge about **Splunk Architecture** and various components (Indexer, Forwarder, SearchHead, Deployment Server), Heavy and Universal forwarder, License model. * Strong experience in **Spring** modules such as **MVC, IOC, AOP** and **Spring JDBC, Spring JTA, Spring IO, Spring Boot with Thyme leaf, Spring HATEOS, Spring Heroku, Spring Netflix, Spring Hystrix**. * Strong exposure to configuration management tools such as **Ansible, Puppet, Terraform and Docker** * Strong experience with **MongoDB** (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB, Cassandra, and Couch DB.** * Good Experience in implementing Web Services such as **SOAP using WSDL**, **JAX-WS** and **REST using Spring Boot, Apache CFX, JAX-RS and Jersey Frameworks.** * Having knowledge on (JMS) MQ’s like **Kafka, Rabbit MQ, IBM MQ** and **Active MQ**. * Hands on experience with build tools like **ANT**, **Maven, Docker, Gradle** and logging tools like **Log4J.** * Good Experience in software configuration management using **CVS, GIT and SVN.** * Performed Unit testing on angular applications using tools like **Karma, Jasmine**, Integration testing using **Selenium, Hudson, Jenkins, Cucumber, chai, Mockito, Protractor.** * Design, implement, test, and deploy services in a Microservice-oriented architecture and has Implemented the **REST** based Microservices using the **Spring Boot, Spring Data** with **JPA.** * Proficientinusing **Amazon Web Services (EC2, VPC, RDS, ELB, Route53, Lambda, IAM, Cloud Watch, S3, Glacier, SQS, SNS).** * Experience in using **Jenkins** for CI/CD process and creating **Docker** images and containers. |

# Technical Skills

### **PRogramming Languages** **: C, C++, Java 6/7/8, Scala, Python, HTML,**

### **JavaScript**

### **Java/J2EE Technologies : Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB,**

### **JFC/SWING, AWT, Applets, Multi-threading, Java**

### **Networking**

### **Application/Web servers : Apache Tomcat 8, IBM WebSphere 8.x/9.x, Jetty,**

### **Jenkins 2.50, WebSphere MQ 7.5**

### **Web Technologies : HTML5, XHTML, DHTML, CSS3, JavaScript, AJAX,**

### **jQuery, NodeJS, ReactJS, AngularJS, Bootstrap,**

### **Servlets, JSPs, JNDI, JMS, XML, XSLT, XSD, JSF**

### **Relational Databases : Oracle 9i/10g/11g, DB2, SQL Server, MySQL,**

### **Mongo DB, Cassandra**

### **Cloud Environments : AWS, Netflix Eureka, Pivotal Cloud Foundry**

### **Web SERVICES : JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI**

### **Messaging Tools : Rabbit MQ, Apache Kafka, Apache Spark**

### **Build Tools : Ant, Maven, Gradle, Log4J, Hudson,**

### **Jenkins, Alfresco, SBT**

### **Version Control :** **CVS, SVN, GIT, JIRA, Subversion and Clear Case**

### **Testing technologies/tool : Junit, Jasmine, Karma, Selenium, Protractor,**

### **Soap UI**

### **Platforms : Windows 2000/98/95/NT4.0, UNIX**

### **Database Servers : Oracle 10g/11g/12C, SQL server 2012/2014/2016,**

### **MySQL 5.7, DB2 11.1**

# Experience

### February 2017 – Present

## Goldman Sachs / New York, NY

**Position: Senior Java Full Stack Developer**

**Description: Building a Max Payable system which can determine the maximum collateral payable to counter parties by Goldman Sachs. The excess calculated by this system provides a real time evaluation of the Client portfolio. Any payments to the Client are released from the treasury system only a max payable excess is detected for the Client account. This Project involved building a multithreaded orchestrator which could query multiple data sources in parallel and aggregating all those inputs to obtain the excess available on the Client account. Performance of the calculations was the top priority in this Project as the calculations were triggered on demand and would hold up payments from going out. A great performance improvement was achieved by caching huge volumes of account related information using google cache builder.**

**Environment: Java 8, J2EE, Spring Boot, AJAX, jQuery, Angular4, Microservices, Pivotal Cloud Foundry, JBOSS, jBPM, Netflix Eureka, Hibernate, Spring Batch, OAuth, Swagger, RESTful web services, MongoDB, Oracle 11g, Docker, Maven, Jenkins, Kafka, Shell Scripts,SVN, JUnit, Mockito, Log4j.**

**Responsibilities:**

* Worked in **Agile Methodology** and was involved in **Sprint Planning** meetings to estimate the Features.
* Was involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **JIRA** as a tracking tool for the sprints.
* Involved in the development of the UI using **HTML5, CSS3, Bootstrap, Ext JS,** and **Angular JS**.
* Used **Angular Promise, Angular Custom directives, Angular custom services, Angular to REST to Spring calls.**
* Extensively made use of **Java 8** features like **Predicates, Functional Interfaces and Lambda Expressions, Method References** and **Stream API** for bulk data operations on **Collections**.
* Implemented **Spring Framework** including **Spring Core/IOC**, **Spring AOP, Spring ORM and Spring Batch** and implemented the authentication, authorization, and access-control features by making use of **Spring Security**.
* Implemented a responsive web design using **Bootstrap**.
* Used **Hibernate** extensively to have Database access mechanism with complex queries through **Hibernate Query Language**, Named Parameters, Named Queries.
* Integrated Spring with **Hibernate** using configurations and implemented DAO layer to save entities into data base.
* Used Scala collection framework to store and process the complex employer information. Based on the offers setupfor each client, the requests were post processed and given offers.
* Worked with **Spark**, improving the performance and optimization of the existing applications in Hadoop using **Spark Context, Spark-SQL, Data Frame, Pair RDD’s, Spark YARN**.
* Developed applications using MEAN**(Mongo-DB + Express.JS + Angular 4 + Node.JS**) stack and created POC's for rest service development using **Node.JS, Express.JS and MongoDB.**
* Implemented **MongoDB** queries for reporting and analyzing production data and used various concepts such as locking, transactions, indexes, sharing, replication, and schema design.
* Used **Spring Boot** to develop and deploy both **RESTful web services** and **MVC** applications.
* Implemented **Swagger** Configuration in Java **Spring Boot** for auto generating swagger **JSON** files for **REST API calls**.
* Configured **OIDC** (Open ID Connect) on top of **OAUTH2.0** authentication and authorization framework to provide the security to **REST** web services.
* Used **Pivotal Cloud Foundry** to deploy applications on cloud.
* Managed **Maven** project dependencies by creating parent-child relationships between Projects.
* Effectively developed and deployed **Spring Boot** applications for REST services on **Pivotal Cloud Foundry** and implemented platform as service technologies.
* Created **Docker** images and ran the **Docker** containers in various environments
* Used **Apache Kafka** with **Zoo Keeper** for achieving synchronous and asynchronous messaging techniques.
* Used **Spark Streaming APIs** to perform transformations and actions on the fly for building common learner data model which gets the data from **Kafka** in near real time and persist it to **Cassandra.**
* Involved with migrating older version to newer Version Control systems from **SVN, GitLab & Jenkins for Continuous Integration.**
* Used **Ansible** for Configuration management, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change
* Developed Applications using Rule Engines- **JBoss Drools 4.x, Workflows, Human tasks** implement Businessrules validations and provided **Drools Dashboard** for Business users.
* Worked on **Drools Rules Engine** and Expectation Rule Engine for writing Business Rule Validation.
* Performed cross browser testing by using**Selenium** Grid on multiple browsers and platforms.
* Developed unit and integration tests for existing microservices using **JUnit, Mockito** environments for development and QA teams.
* Testing of angular frameworks is done by using **Protractor** framework.
* Developed Applications using **Rule Engines-JBoss Drools 4.x, Work flows, Human tasks** to implement business rules validations and provided **Drools Dashboard** for business users.
* Used **Maven** as build and dependency management tool for creating **EAR, WAR** and **JAR** file to be deployed in application servers and integrated with **SVN, Jenkins, JMeter and Jenkins Jobs**.

### **jANUARY 2016 – jANUARY2017**

## American Express / Phoenix, AZ

**Position: Senior Java Developer**

**Description: Amex Maps component is responsible for providing the small merchants accepting American Express the promotions and publicity. This application uses Google Maps API, using their location, provides customer's list of merchants who accepts American Express and provides to the customers to know where he could get money saving benefit. Application also has a login experience, where a customer can save the merchant to his saved places. It also has the merchant details like share, direction, Website URL, Phone Number, Help, Trip Advisor and other Social Networking URL's.**

**Environment: JavaScript, React JS-Redux, Node.js, HTML5, CSS3-LESS, AJAX, Bootstrap, JQuery, Spring security, Rabbit MQ, Spring Data, Spring Batch, Hibernate, Spring Boot, Microservices, Restful Services, Eclipse Java EE IDE, GIT, MY SQL, Web Logic Application Server, Jenkins, PCF, Selenium, Cucumber, Cassandra DB, Maven, JWT.**

**Responsibilities:**

* Worked with **Agile Methodology** and involved in Design, Development, System Testing, User Acceptance Testing also attended daily and weekly **SCRUM** meetings to update working status.
* Developed a **Micro Service Oriented** application with **React JS** in the front end and used **Spring Boot service.**
* Used **Redux-Store** and **Redux-Reduce** for holding the state tree of the application.
* For client-side view rendering services, used **React JS** and various predefined **Redux** libraries.
* Involved to implement various screens for the front end using **React.js** and used various predefined components from **NPM (Node Package Manager)** and redux library.
* Implemented **Node JS** as a server-side proxy for an event-driven model.
* Building cloud microservices and implementing back-up using **Spring Boot**.
* Implemented crosscutting concerns using **Spring AOP**and data base security using **Spring Security technologies** like **JWT (Jason Web Tokens).**
* Worked on **Spring Security** for application authentication and authorization and performed running of batch jobs using **Spring Batch (Quartz Scheduler).**
* Used **Hibernate ORM** to integrate with business application with Oracle Database where **Hibernate template** is used to implement business logic. Created an XML configuration file for **Hibernate Database connectivity**.
* Used **Hibernate**, **object/relational-mapping (ORM)** technique for mapping data from **MVC** model to **MySQL Relational data model** with an **SQL-based schema.**
* Maintain six (6) **PL/SQL** stored packages used in a custom designed Oracle based client billing system Maintenance includes bug fixing as well as design and development of existing package enhancements as well as new packages to extend current system functionality.
* Created **MULE ESB** artefact and configured the **MULE** config files and deployed.
* Implemented **RESTful service** using **WADL** (Web Application Description Language) for modelling the resources provided by the services and relationships between them.
* Used **Rabbit MQ** to have a synchronous messaging service to deploy into cloud.
* Experience in Integration of **Amazon Web Services, AWS** with other applications infrastructure.
* Used **AmazonIAM** to grant fine-grained access to **AWS** resources to users. Also managed roles and permissions of users to **AWS** account through **IAM**.
* Leveraged **AWS** cloud services such as **EC2**, auto-scaling and **VPC** to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Utilized **S3** buckets and **Glacier** for file storage and backup on **AWS** cloud.
* Worked on **AWS**, High Availability Practices and deploying backup/restore infrastructure
* Implemented **Service Oriented Architecture (SOA)** using **JMS (MQ series)** for sending and receiving messages while creating web services.
* Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**.
* Utilized variable software **(GMC/QuadientPrintNetT/Inspire)** to build and generate internal and client proofs.
* Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**
* Developed test cases using **JUnit** and **JMock**for unit testing as well as integration testing as part of **Test Driven Development (TDD).**
* Usage of **Scala** as a template engine to the front-end part of code.
* Have good implementation experience with installation and configuration of **Kubernetes**, clustering them and managed local deployments in **Kubernetes**.
* Developed the Application Module using several design patterns like **Singleton**, **Factory**, **DAO**, **DTO**, **BusinessDelegate**, **Façade**, **prototype,** and **CompositeView**.
* Behavioral and integration testing is done using **Cucumber** and **Selenium** testing tools.
* Deployed applications on multiple **WebLogic Servers** and maintained Load Balancing, High availability.
* Set up **Jenkins** and **Hudson** for Continuous Integration Process.
* Worked with development team to migrate **Ant** scripts to **Maven**
* Worked with **Git Version control system** to track various aspects of the project.
* Used **Log4j** for logging errors and **GIT** for version control.
* Deployed the application on **JBOSS** application server.
* Involved in testing, debugging, bugs fixing and documentation of the system.

### **fEBRUARY2013–DECEMBER 2015**

## Baldwin Insurance / Northbrook, IL

**Position: Sr. Java/J2EE Developer**

**Description: The ECS (Excess Claims) system aims to identify potential excess claims, determine and eliminate duplicate claims, calculate the potential exposure of Baldwin regarding claims and optimize the process of claims processing.**

**Environment:  Java, J2EE, Spring MVC 3.0, Hibernate 3.0, HTML, CSS, JavaScript, React JS, JMS, SOAP, Axis2, Maven, Jenkins, DB2, Selenium, Log4j, SVN, JIRA, Tomcat 6.0.**

**Responsibilities:**

* Used **Agile** software development methodology which helps to develop project plans
* Involved in developing applications using **Core Java, J2EE and Struts**
* Participate in project planning sessions with business analysts and team members to analyze business IT requirements and translate business requirements into working model.
* Implemented Core Java Concepts such as **Multi-Threading, Exception Handling** and **Collections** when needed.
* Developed the web interface using **HTML5, CSS3, JavaScript, JQuery, AngularJS,** and **Bootstrap**.
* Implemented **Service Oriented Architecture (SOA)** by developing and consuming **RESTful** web services based on **JAX-RS** and **Jersey**.
* Designed and implemented **Java Classes** to use **JAXP parser** to create Java objects to be able to modify the data received in the response.
* Worked with **DB2** and wrote **SQL Queries, Stored Procedures, triggers, views** and integrated **SQL Queries** into **DAO.**
* Use **Eclipse** as IDE tool to develop the application and **JIRA** for bug and issue tracking.
* Used **Jenkins** for continuous integration/continuous deployment.
* Involved in designing and creating **Use case diagrams, sequence diagrams and class diagrams** using **MS VisionTool.**
* Worked on the Common UI layout for defining the Header, Footer and Menu using **JSFFacelets.**
* Implemented spring framework **BeanFactory**&**ApplicationContext** for bean initialization and configurations.
* Implemented **MVC, DAO J2EE** design patterns as a part of application development.
* Automated regression test cases using **Selenium**.
* Used **SVN** for versioning and concurrent access to the project files.

### nOVEMBER2011 – JANUARY 2013

## Valley National Bank/ Wayne, NJ

**Position: Java Developer**

**Description: Securities lending system provides a single, centralized, real-time system for borrowing and lending of securities like stocks, Fixed Income Instrument (T-bill and T-notes) . Requests to borrow are routed to specified lenders and associated execution information is returned to the borrower without manual intervention. Securities Lending System has Desktop Client for call center and website for international users. User can specify time limit, rebate rate, collateral type, delivery details, maximum price and books.**

**Environment:  Swing, HTML5, CSS, Struts 2.0, Hibernate, JSP 2.0, JMS 1.1, JBoss 4.0, EJB 2.0, Eclipse 3.1, JDBC, XML, XSLT, LDAP server, DB2, Flex builder JavaScript, UML, Rational Rose, CVS, Log4j, Unix, JQuery, Maven.**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Generated Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Rose**.
* Developed the applications using **Java, J2EE, Struts, and JDBC**.
* Used **Filenet** for Content Management and for streamlining Business Processes.
* Played a vital role in **Scala** framework for web based applications
* Developed UI using **HTML**, **JSF,JQuery** and **JavaScript**, **AJAX** in few applications.
* Applied **JavaScript** for client side form validation.
* **Spring IoC** design pattern to provide relation between application components. Separated application configuration and dependency specification from actual application code.
* Developed **SOAP** Web s
* ervice modules based on **SOA** architecture to consume services.
* Used **JAXB** parser for parsing the valid **XML** files as defined by the **XSD**.
* Worked on **JPA** as persistence layer, involving **EJB 3.1** annotations to synchronize with database through XML.
* Deployed the application in **JBoss** Application Server.
* Used **ANT** scripts to fetch, build, and deploy application to development environment.
* Used **CVS** as version control.
* Interacted with application testers to review system defects and provided comprehensive fixes.
* Creating and updating existing build scripts using Ant for deployment Tested and implemented/deployed application on WAS 6.1 server.

### JUNE 2010 – sEPTEMBER2010

## Metamor Software Solutions / Hyderabad, India

**Position: Junior Java Developer**

**Description: The goal of this project was to develop an online system to facilitate the tracking of various projects and related resources. The system implemented various user levels for the security purposes.**

**Environment: Java 5, J2EE, JSP, HTML, CSS, JavaScript, XSLT, Servlets, EJB, JDBC, WebSphere 7.0, Oracle 10g, PL/SQL, Rational Rose.**

**Responsibilities:**

* Involved in requirement analysis, design and development of the application
* Developed **Use Case Diagrams, Object Diagrams and Class Diagrams** in **UML** using **Rational Rose** As a team member involved in Development using JSP, Servlets and an internal tool called Content Management to organize the JSPs created.
* Developed Use Case Diagrams, Object Diagrams and Class Diagrams in UML using Rational Rose As a team member involved in Development using JSP, Servlets and an internal tool called Content Management to organize the JSPs created.
* Developed **Add/Edit KYC** Details**, Enhanced KYC**, **Risk Score/EDD** and Comments modules using **J2EE architecture** in **Spring MVC Framework** by implementing **MVC**model, which included invocation of **Web Services/EJB** for integration with external system.
* Used **JDBC** to establish connectivity to the database for performing the database operations.
* Deployed the application on **WebSphere** application server.
* Extensively used XML documents with **XSLT** and **CSS** to translate the content into HTML to present to GUI.
* Developed **EJB** middleware components to implement business objects and business logic of the system.
* Used **JDBC** to establish connectivity to the database for performing the database operations.
* Involved in enhancements of the system and worked on fixing bugs and supporting the entire system.

# Education

### May2010

## Bachelor of Technology (Information Technology) / Jawaharlal Nehru Technological University, Hyderabad.

# References

# Client: Goldman Sachs

# Name: ChinappaYarmala

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