**Mayank Bakshi**

[**mayank.bakshi24@gmail.com**](mailto:mayank.bakshi24@gmail.com) **| (657)-216-0094**

**PROFESSIONAL SUMMARY:**

* **8+ years** of experience in software development using **Java/J2EE** technologies
* Involved in the Software Development Life Cycle (SDLC) phases, which include **Architecture, Analysis, Design, Documentation, Implementation, Testing** and **Maintenance**
* Well versed in using Software development methodologies like **Agile** **Methodology**, **Test-Driven Development (TDD)** and **Scrum** software development processes
* Expertise in design with **Use Case, Sequence diagrams, Activity diagrams, Class diagrams** with exposure to UML, tools like Rational Rose and use of **Rational Unified Process** **(RUP)**
* Extensive working experience and implementation skills in **Core Java, Spring Framework, Hibernate, Spring MVC, Spring AOP**, **Hibernate ORM, Spring Web Flow,** **JPA, Servlets, JSF (Prime Faces), JSP, JDBC, JNDI, JMS, EJB, Bootstrap, Java Mail, Junit**
* Experience with various **J2EE design patterns** like **Singleton, Factory, Abstract Factory, DAO, MVC,** **Façade &Business Delegate** in the development of enterprise applications
* Expertise in developing **SOA** (Service Oriented Architecture) with web services and micro services based on **REST API, JAX-RS,** **SOAP, WSDL, UDDI** using tools like **Apache Axis**
* Highly proficient in building **REST-API (JAX-RS)** based web services with **JERSEY**
* Expertise in **persistence framework**, **Hibernate ORM** to map **POJOs** to a relational database
* Strong Experience in working with scripting languages like **JavaScript, AJAX and JQuery**
* Hands on experience in developing user interfaces with **AngularJS,** **HTML, DHTML, JSTL and CSS**
* Proficient in implementation of frameworks like **JSF, AJAX** and **ORM** frameworks like **Hibernate**
* Experience in Implementing IOC/Dependency Injection features in various aspects of Spring Framework
* Experience working with **AWS (Amazon Web Services)**, working with **EC2**, **RDS**, **DynamoDB**, **S3**, **Cloud Formation Templates** and **Cloud watch**
* Expertise in XML technologies such as **XSL, XSLT, XML** schemas, **XPath, XForms, XSL-FO** and parsers like **SAX, DOM**
* Experience in Core Java, **Multi-threading** and Collections
* Proficient in **SQL**, **PL/SQL programming**, **Oracle, MySQL** and **MS SQL Server** and worked in **Stored Procedures** & **Triggers**
* Expertise in **NoSQL** databases like **MongoDB** and **Cassandra**
* Experience in writing **Ant** and **Maven** scripts for project development and deployment
* Hands on experience with **Test NG, Mockito, Junit** and **Log4j** in developing test cases and determining application functionality
* Experience using Fuse/Apache Service Mix as integration platform and **Apache ActiveMQ** as messaging platform
* Experience in **KSH** and **BASH** Shell scripting in both **UNIX** and **LINUX** platforms

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Languages | C++, Java, Python and Shell Scripting |
| Web/App Servers | Tomcat, WebLogic, WebSphere, JBoss and AWS |
| IDE/Tools | Eclipse, IntelliJ IDEA, RAD and Net Beans, Visual Studio and SQL Server Management Studio |
| Databases | ORACLE, MYSQL , SQL Server, Sybase, DB2, H2, SQL, MongoDB, Cassandra and PL/SQL |
| Operating system | Windows NT, Windows XP/Vista, UNIX and Linux |
| Protocols | TCP/IP, FTP, SFTP and SCP |
| Java Technologies | J2EE, JSP, EJB, Swing, Servlets, JDBC, XML, XSTL, JMS, JNDI, UDDI and REST/SOAP Web Services |
| Frameworks | Struts, Spring, MVC, ATG, Hibernate, Jooq, Junit and Mockito |
| Web Technology | HTML, HTML5, DHTML, CSS, CSS3, JavaScript, JSP, JQuery, AJAX and AngularJS |
| Design & Modeling | UML, Design Patterns, Microsoft Visio, Rational Rose and Agile SCRUM |
| Version Control | CVS, SVN, GIT, Stash and Bit Bucket |

**PROFESSIONAL EXPERIENCE:**

**General Motors - Detroit, MI October 2016 – Present**

**Software Engineer**

**Project Description:** Vehicle Services Management System (VSMS)

Advanced Development and Concepts (ADC) is part for General Motors Global Connected Experience (GCCX). Vehicle Services Management System (VSMS) is a platform developed by Advanced Development, hosted in the ADC Lab, and used by the business to support Remote Reflash in vehicles.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle **(SDLC)** as requirement gathering, data modeling, analysis, architecture design & development for the project
* Worked extensively on concepts like **design patterns, UML, OOAD, OOPS**
* Developed on **web** and desktop visualization tools using **Play Framework** and **Scala**
* Designed and developed the layouts using **CSS3**, Box model and **HTML 5**
* Used **Bootstrap** and **AngularJS** to create controllers to handle events triggered by clients
* Developed cross browser and multi browser compatible web pages using **HTML5, CSS3** and **JavaScript**
* Analyzed **AngularJS controllers**, views, services and designed applications using **Abstract Factory Design Pattern**
* Used **Angular UI** (Bootstrap) for **ng-grid, ng-tags, ng-click** and UI components
* Used **REST Controllers** to replace the existing operations layer which acts as bridge between business layer and UI
* Used **JAX-RX API** to create **micro services** and provide end points to controller
* Developed builder and controller for **RESTful web services** and consumed **XSD** templates using **JAX-B** parser
* Upgraded the existing project to **Spring based MVC project** for better performance and control using **Spring Setter Injection** and **Spring Constructor injection**
* Used **Spring Aspect Oriented Programming** (AOP) for addressing cross cutting concerns
* Implemented **SQL scripts** and designed the solution to implement using **Scala**
* Created **Session Beans** and Entity beans to business and data process
* Developed application using **Spring MVC, JSP, JSTL, and AJAX** on the presentation layer, the business layer is built using **Spring** and persistent layer using **Hibernate**
* Developed various **JMS** message producers and consumers
* Used **Log4J** utility to log error, info and debug messages
* Implemented **Junit, Jasmine** and **Mockito** framework for unit testing
* Created triggers and procedures for **MS SQL** Server database
* Used **MySQL** for database operations and **Maven** build tool

**Environment:** Core Java, J2EE, Spring MVC, Jooq, Scala, Play Framework, Stash, Bit Bucket, JIRA, Jenkins, IntelliJ IDEA, RESTful web Services, REST client - Postman, XML, XSD Schemas, Maven, Swagger UI, Zuul proxy server, JAX-B, Junit, Mockito, JDBC, MySQL

**CW Capital - Bethesda, MD October 2014 – September 2016**

**Sr. Java/J2EE Developer**

**Project Description:** Receivables Management System (RMS)

RMS is one of the modules of the CashPro Online Portal. RMS provides access to lockbox reports that include check and document images, as well as credit card payments. Search payment information using any of the data elements in the payments as key filters. Create, edit and save customized lockbox reports that fit the needs. The reports generated can be emailed, print and downloaded in CSV format.

**Responsibilities:**

* Worked in **Agile** environment with active **scrum** participation
* Used **JAX-RX API** to create **micro services**
* Implemented **SOA** to develop **REST Based Web services** using **Apache Axis**
* Used **REST Controllers** to replace the existing operations layer which acts as bridge between business layer and UI
* Created **Spring** **MVC** components like **Dispatcher Servlet,** configure **Request mapping annotation controllers**
* Designed and developed the End Points **(Controllers)**, Business Layer, **DAO** Layer using **Hibernate/JDBC** template, using **Spring IOC** **(Dependency Injection)**
* Used **DAO pattern** and **ORM technology Spring JPA** to store large amount of data into database
* Implemented **Hibernate annotation** for **Object Relational Mapping** (ORM) with Oracle database
* Developed **Spring Beans** and configured spring using **ApplicationContext.xml**
* Established **Spring Framework AOP Module** to implement logging and security management in the application
* Using **ActiveMQ** as a messaging server between our micro services
* Implemented **JMS** Listeners and **Message Driven Beans** (MDB)
* Worked on **PTP** and **Pub/Sub** Messaging Domain in **JMS**
* Migration of Existing Application to **AWS cloud**
* **Monitoring AWS** Instances regularly using ops view and **New Relic tools**
* Proficient in AWS services **EC2,** IAM, **S3,** VPC, **RDS,** EBS and **Route 53**
* Designed and developed the UI using **JSP, Servlets**
* Implemented the **responsive web design** using **Angular** attributes, **Bootstrap** and **CSS3**
* Used Bootstrap to create **interfaces** and help manage **cross browser** compatibility
* Written **AngularJS controllers**, views and services and designed applications using **Singleton** and **Abstract Factory Design Patterns**
* Involved in system design and development using **Collections** and **multi-threading** for the action classes
* Used **concurrency models** and **load distribution** in multi-threading
* Configured the **thread pool** for parallel computing and reporting service
* Generated simulation data using **Multiple Thread** and **Thread Pool API**
* Implemented **Array Blocking Queue** and **Linked Blocking Queue** on thread objects
* Developed presentation layer using **XML, XSL, JSTL,** Custom tags etc.
* Used **SQL Server** with Enterprise Manager and **Oracle** with **TOAD**
* Worked on **NoSQL** database like **Mongo DB** for storing security related information

**Environment:** Core Java, J2EE, Spring MVC, Spring JPA, Hibernate, Spring Security, Spring Batch (Quartz Scheduling), RESTful web Services, SOAP web Services, Java Mail, JNDI, JMS, Angular JS, JavaScript, WSDL, XML, XSLT, XSD Schemas, AWS (Amazon Web Services EC2, RDS, S3), Oracle, MongoDB, Eclipse, Maven, Log4j, Bootstrap

**Pacific Investment Management Company - Newport Beach, CA June 2013 – September 2014**

**Sr. Software Engineer**

Pacific Investment Management Company (PIMCO) which provides mutual funds, portfolio management and asset allocation solutions for millions of investors worldwide. Developed java based application for portfolio management and reports generation. The portfolio management application provides insights about Investment Strategies. Users are provided with the ability to check the type of Mutual Funds, investment of the funds, withdraw/update them at a later time and also can print the order details

**Responsibilities:**

* Designed and developed various modules of the application with J2EE design architecture, using **JSP**, **HTML, AJAX, JQuery** and **JavaScript**
* Designed Use Case Diagrams, Class Diagrams, Sequence Diagrams and Object Diagrams to model the detail design of the application using **UML**
* Used **Executor Service** and **Thread Pool Executor** for multi-threading and **thread resource pooling** to synchronize the data when more users come in and dealt with concurrency issues using Singleton Class
* Used **Spring AOP** for exceptions logging along with **log4J** and transaction handling in **DAO**
* Implemented the authentication, authorization and access-control features by using **Spring Security**
* Used **Hibernate** for Database Persistence to perform actions like **create, insert, update, retrieve**
* Created **Hibernate POJO Objects** and mapped using **Hibernate Annotations**
* Engaged in Hibernate **Transaction Management**, batch transactions, cache concepts, **bean scopes and event handling** in Spring Framework
* Implement web service components using **Apache CXF** framework
* Involved in producing and consuming annotations of **SOAP** web services using **JAX-WS and** exception handling
* Developed web services using **interface, binding and service** element in **WSDL**
* Used **Restful** Web services for transmission of large blocks of XML data over HTTP and using **Jersey** for **JAX-RS**
* Utilized **Jackson** processor to handle **JSON** data binding for Request & Response objects
* Used **AWS** for the configuration of the web components
* Installed application on **AWS EC2 instances** and also configured the **storage on S3 buckets**
* Implemented and maintained the monitoring and alerting of production servers/storage using **AWS Cloud watch**
* Developed **Servlets** and **JSP** based on **MVC** pattern using Spring Framework
* Extensively used **Angular UI** (Bootstrap) for **ng-grid**, and UI components
* Extensively worked with **JMS API** for sending messages between two or more clients
* Configured **JMS** in the project for sending and receiving the messages on the **queue**
* Involved in providing **security** for the application with **LDAP server**
* Used **SQL Developer** as a database tool and used **JNDI** to perform **lookup** services
* Configured **Weblogic** Application Server to build, publish and deploy the application
* Worked with **Rational Clear Case** to provide sophisticated **version control**, workspace management and parallel development support
* Implemented **Mockito** to mock objects and connections and used **Assert Methods** and **Matchers** in Junit Testing
* Performed **Log4J** as a logging framework and created unit test cases using **Junit**
* Utilized both **Ant** and **Maven** as build tools
* Used **GIT** for version control and **Source Tree** to facilitate it
* Managed **UNIX shell** for setting up applications and configuring soft links and backing up data
* Used **JDBC** for database connectivity with **MySQL** Server

**Environment:** Java/J2EE, JSP, Servlets, Spring, Hibernate, REST Web Services, Jersey, JSON, Web-logic Application Server, XML, Apache Tomcat, Unix, Oracle, AWS, SQL Server, HTML, IBM MQ, DHTML,XML, XSLT, AJAX, JavaScript, JQuery, Apache Ant, Maven, JDBC, MySQL, JUnit, Log4j, CSS, SVN, Agile, Apache CXF, SOA, GIT, JMS, JNDI

**AST Equity Plan Solutions – Philadelphia, PA June 2012 – May 2013**

**Sr. Java Developer**

**Project Description:** ESPP

Employee Stock Purchase Plans (ESPP) is a convenient way for the employees to purchase the company’s stock through payroll deductions. AST Equity Plan Solutions offers a complete administration service for both qualified and non- qualified plans.

**Responsibilities:**

* Involved in **Sprint Planning**, Analysis, **Test-Driven Development (TDD)** and Testing phases of the application
* Used **UNIX shell** for setting up applications and configuring soft links and backing up data
* Coded and tested the application using by utilizing **Java, J2EE, Spring, Oracle** and **Weblogic**
* Implemented **J2EE Design Patterns** like **MVC, Data Access Object, Data Transfer Object**, Front Controller and Service Oriented Architecture
* Used the lightweight container of the Spring Framework to provide architectural flexibility for **inversion of controller** (IOC)
* Implemented **ORM** using **Hibernate** Framework for all database persistence operations
* Used **Hibernate/JPA with Spring** wrote annotations to map relationships and create model classes
* Implemented data transfer from front end to spring application using **JSON** and **XML**
* **Jersey** implementation of **JAX-RS** is utilized to develop **RESTful** web service
* Developed a **RESTful web service** to provide all the **CRUD** capabilities
* Worked with **Exception Handling** in **SOAP** and **REST**
* Worked on **RESTful API** and invoked web services that are based on **EJBs**
* Provided **XM**L and **JSON** response format to support various service clients.
* **Jackson** processor for **JSON data binding** and JAXB for **XML data binding** are utilized
* Developed web-based **customer management software** using JSF, Spring and Web Services.
* Created configuration files for Spring, Hibernate and **JSF navigation**
* Extensively worked on **JMS** using point-point, **publisher/subscriber messaging** Domains for implementing Exchange of information through Messages
* Used **HTML, CSS** and **jQuery** for UI Development and client side validations
* Worked on various **mobile frameworks** like **jQuery** mobile
* Responsible for using JQuery for the interaction between the **JavaScript validation** and dynamic **HTML** pages
* Implemented various validation controls for form validation and implemented **custom validation methods** with **JavaScript** and **jQuery**
* Created database tables and **stored procedures**, functions and triggers using **MySQL**
* Deployed the complete Web applications in **JBoss** Application server
* Implemented **ANT** tool for building and packaging the application

**Environment:** Java, J2EE , Servlets, JSF, JSP, Spring, CSS, Log4J, ANT, Hibernate, RESTful Web services, JSON, XML, Jersey JMS, JBoss, Oracle, AJAX, Junit, HTML, Maven, GitHub, Agile, Apache Tomcat, MySQL, UNIX shell

**Target – Minneapolis, MN August 2011 – May 2012 Java/J2EE Developer**

Target is the second-largest discount retailer in the United States. Minneapolis-based headquarters to more than 1,800 stores and more than 35 distribution centers across the U.S. Target offers a world of possibilities in an environment that empowers its team members to innovate and contribute ideas. Join a company that’s focused on moving forward to what’s next while giving back to the communities they serve

**Responsibilities:**

* Design, architect, develop and maintain the **e-commerce website** including requirement analysis and converting **high level designs** and system requirements into logical programs
* Worked in the **Agile** Environment with **daily standups** and work within the specific time
* Provide technical leadership to **onshore** and **offshore** teams
* Created **RESTful services** for providing data to the User Interface
* Implemented Service oriented architecture using **Jersey** **RESTfu**l implementation
* Upgraded the old report project to **Spring based MVC project** for better performance and control. Used **Quartz framework** to schedule daily reports or on demand reports
* Used **Hibernate ORM** with Spring wrote annotations to map relationships and create model
* Used **Spring Aspect Oriented Programming** (AOP) for addressing cross cutting concerns
* Developed UI using **JSP, jQuery** and used **JavaScript, AJAX** for client side validations
* Build the front end using **Angular JS, Bootstrap, HTML5** and **CSS3**
* Involved in all **UAT** and **PROD** deployments, issue calls, investigations and getting the business **signoff**
* Used all the functionalities present in **JSTL** and **Tag Libraries**
* In order to increase the speed of an application, used **Multi-threading**
* **Mentor** Junior Developers and summer trainees
* Used **Security Assertion Markup Language** (SAML) used for **Authentication** and **Authorization**
* Used **Ant** tool for automation and project management in this project
* **WebLogic** server is used to deploy the application

**Environment:** J2EE, JSP, Hibernate, JavaScript, ANT, HTML5, AngularJS, Bootstrap, RESTful web services, jQuery, WSDL, Multi-threading, Web Logic Application Server

**Pentagon Solutions, Bangalore, India May 2009 – July 2011**

**Java Developer**

Pentagon Solutions is an advanced technology company covering the full spectrum of technology services. The range of software tools it works with and supply, are all industry leading technologies and it specializes in making these tools work together.

**Responsibilities:**

* Extensively used **HTML/JSP** to design web pages and perform client side validations and displaying dynamic content
* Involved in designing the technical **Design Documents** as per the Business requirements
* Implemented, configured **spring message sources, resource bundles** for labels, **message properties** for **internationalization**
* Developed application based on **Hibernate (Spring DAO)** and **MVC architecture**
* Used **Spring Setter Injection** and **Spring Constructor injection**
* Developed **XML documents** for payment **transactional data**
* Developed **RESTful** and **SOAP Web services** for using **third party transactions**
* Created Web services for data transfer between client and server using **Apache Axis, SOAP, WSDL and UDDI**
* Installation, Configuration & administration of **WebLogic** environment, including deployment of **Servlets**
* Designed and developed **XSLT** transformation components to convert data from **XML to HTML**, and used XML DOM API for parsing XML
* Involved in writing **SQL queries**, stored procedure **DAO** layer and PL/SQL for back end
* Developed Scripts for **UNIX** platform deployment
* Used **ANT** for compilation and building **WAR** files
* Used **JUnit/Eclipse** for the unit testing of various modules

**Environment:** Java, J2EE, JSP, MVC, Servlet, Weblogic Application Server, XML, XSLT, HTML, DOM, SAX, CSS, JavaScript, Multi-threading, Oracle, MySQL, JUnit, JDBC, ANT

**EDUCATION:**

**Bachelors of Engineering in Computer Science**

Oriental College of Technology, M.P., India