**Avinash**

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**PROFESSIONAL SUMMARY**

* Having **8 years** of experience in **Software Development Life Cycle (SDLC)** including Requirement Analysis, Design and Coding, Application Implementation, Unit testing and System Testing, Functional and Regression Testing and Design using Java**/J2EE technologies**.
* Proficient with Software development methodologies like **Agile (Scrum) Methodologies** and **Waterfall.**
* Expertise in developing **web pages** using **HTML5, CSS3,** **JavaScript, JQuery, Ajax, AngularJS, Bootstrap** with webpage cross browser compatibility and **responsive web design.**
* Knowledge on **Java1.8** features like **lambda expressions** and **Java Stream API.**
* Proficient in core java concepts like **Collection Framework**, **Multi-threading**, **Generics**, **Annotations**, **Serialization, Thread pools, JavaBeans, Externalization.**
* Expertise in **RESTAPI’s** development with **Spring Boot** configuration and maintenance of **Micro Services** with **Eureka** discovery platform, Launching and configuration of **AWS** instances with load balancing.
* Experience in developing the application with **Service Oriented Architecture (SOA)** and **Micro Services Architecture** and **Test-Driven Development** and **Behavior Data Driven (BDD).**
* Managed **Amazon Web Services** like **EC2, S3 bucket, ELB, Auto-Scaling** through API Integration.
* Knowledge on container-based technologies like **Docker, Kubernetes** and Open shift.
* Developed web-based enterprise applications using **core Java, J2EE, Servlets, JSP, JMS, JDBC, Hibernate, Web Services (SOAP** and **REST), MVC framework (Struts, Spring MVC), SQL and Object-Oriented Programming techniques.**
* Proficient in implementation of frameworks like **Struts, Spring (Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Data, Spring Batch, Spring TX, AJAX** frameworks (**Rich Faces, My Faces**).
* Experience in implementing **Spring ORM** module along with **Hibernate** to deal with database operations.
* Experienced with Middleware Technology Messaging Brokers like **JMS**, **ActiveMQ, and Apache Kafka**.
* Experience in working with the **NoSQL** Database like **MongoDB** to manage extremely large data sets.
* Proficient in developing **Web Services**, related technologies &frame works**: WSDL, SOAP, REST, JAX-WS, JAXB, JAX-RPC, AXIS and Jersey, SOAP UI** and generating client’s client using Eclipse for Web Services consumption.
* Extensive experience working with RDBMS such as **MySQL**, **MS SQL Server, Teradata, DB2, Oracle.**
* Worked on deployment, installation, configuration and issues with Application servers like **Apache Tomcat, IBM Web Sphere, BEA WebLogic and Enterprise Application Server.**
* Experience in implementing Design Patterns like **Singleton, Factory, MVC, Data Access Object** and **Business Delegate.**
* Experience in load testing with **JMETER** and worked on **Sonar** reports.
* Experience with **MOCKITO, TDD** and **Junit** in developing test cases, determining application functionality.
* Experienced in **Splunk** Log Management, monitoring, Email Notification to Users for threshold limit.
* Experience on different IDEs such as **RAD, Eclipse, Spring Tool Suite**, and **IntelliJ.**
* Actively involved in the DevOps streamlining process through **Jenkins** CI and **CD** Release Automation.
* Subversion **SVN, CVS, GIT** and Visual Source Safe as versioning software tools.
* Hands on experience in building tools like **ANT, Maven, Gradle**.
* Extensively worked on **Pivotal Tracker** and **JIRA** tools for tracking the stories.
* **Configured and created** application **log files using Log4J**, **Log4J2** to trace required application messages.
* Having Experience on **UNIX, Linux** commands and Deployment of Applications in Server and ability to work effectively on **Windows** platforms.

**TECHNICAL SKILLS**

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| --- | --- |
| **Languages** | C, C++, Java, J2EE, SQL, PL/SQL |
| **J2EE Technologies** | Servlets, JDBC, JSP, JMS, Java Security |
| **Mark-up Technologies** | HTML, CSS, JavaScript, JQuery, AJAX, AngularJS, XML, XSD, JSON |
| **Tools & Framework** | Struts, Spring, Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Cloud- Netflix OSS- stack (Eureka, Hystrix-circuit Breaker), Spring Data(JPA), Hibernate, ANT, Maven, Apache ActiveMQ, Apache Camel, drools. |
| **Web services** | SOAP, UDDI, WSDL, JAX-RPC, Restful, JAX-RS, JAX-WS, JAX-B, Axis2 |
| **Architecture** | SOA, Microservices. |
| **Web/App Servers** | IBM Web Sphere, Apache Tomcat, JBoss, Web Logic Server. |
| **Database** | Oracle, SQL-Server, MySQL server, DB2, MongoDB/NoSQL. |
| **Cloud Technologies** | AWS (Amazon web services) -EC2, S3, VPC, Elastic Beanstalk EBS, Elastic Load Balancing ELB, API-Gateway, |
| **DevOps Tools** | Jenkins, Docker. |
| **Testing Tools** | JUnit, Soap UI, Putty, Postman, JMeter. |
| **Version Control** | Tortoise SVN, CVS, Rational Clear case, GitHub. |
| **OS & Environment** | Windows, Sun Solaris, UNIX, Linux. |

**PROFESSIONAL EXPERIENCE**

**Client: Capital One Jan 2018 – Till date**

**Location: Wilmington, DE**

**Role: Sr. Java Developer**

**Description:**

The move money services help general users and investment users, to carry monetary transactions among friends, family and to manage loans and pay bills.  The project consisted of developing and maintaining services of Capital One move money services like bill pay, home loan accounts, mortgage accounts etc. the services were developed maintained and tested for the devices and the web. We worked on the architectures, services and the front end UI for each of the applications.

**Roles & Responsibilities:**

* Involved in the complete **SDLC** **(software development life cycle)** of the application from requirement analysis to testing.
* Followed **Agile Methodology** in analyze, define, and document the application, which will support functional and business requirements. Coordinate these efforts with Functional Architects.
* Implemented the REST API's and data transformers using the JAVA connector which involves use **Java1.8** features **Lambda** and **Streams** in particular.
* Used **Java8** features in developing the code like **Lambda expressions**, creating resource classes, fetching documents from database.
* Developed the UI using **HTML5**, **CSS3**, **JSP** and **JavaScript** for interactive cross browser functionality and complex user interface.
* Used JavaScript, **AngularJS**, and **AJAX** technologies for front end user input validations and **Restful** web service calls.
* Created single page application with loading multiple views using route services and adding more user experiences to make it more dynamic by using **AngularJS** framework.
* Configured and deployed Amazon Web Services **(AWS)** for a multitude of applications utilizing the Amazon cloud formation.
* Developed application using **Spring Boot**, the business layer is built using Spring and the persistent layer uses **Hibernate**.
* Implemented **Spring cloud** on top of **Spring Boot** where we incorporated **Netflix Eureka** registry for service discovery.
* Implemented **Micro Services** using **REST** for consuming and producing data in **JSON** format which will be populated in UI using Spring Data JPA in data access object layer.
* Experienced in setting up Amazon **EC2** instances, virtual private cloud **(VPCs),** and security groups. Setting up databases in AWS using **RDS**, storage using **S3 bucket** and configuring instance backups to S3 bucket.
* Experience with designing and configuring secure **Virtual Private Cloud** (VPC) through private and public networks in **AWS** and create various subnets, routing table, internet gateways for servers.
* Container management using **Docker** by writing Docker files and set up the automated build on Docker HUB and installed and configured **Kubernetes**.
* Designed and developed the End Points (**Controllers**), **Business Layer**, **DAO** Layer using **Hibernate/JDBC**
* template, using **Spring IOC** (Dependency Injection).
* Experience in working with ORM frameworks like **Hibernate**, **JPA** (Java Persistence API) and APIs such as JDO (Java Data Objects).
* Used **Spring Data** Framework to use the features of **Spring JDBC** and **Spring ORM** classes like JDBC Template to perform the database operations by connecting to Data sources available.
* Used **Spring Framework AOP** Module to implement logging in the application to know the application status.
* Implemented Micro Web-Services to integrate between different applications components using **Restful** using **Jersey** in **Spring Boot**.
* Worked to secure our **RESTful** web services using **OAuth 2.0** with **spring security** to authenticate any third-party requests coming in.
* Used Apache**Kafka**(Message Queues) for reliable and asynchronous exchange of important information between multiple business applications.
* Used**MongoDB** as data storage and utilized aspects like replica sets, sharing and clever document design to make service extensible scale and feature wise.
* Worked with **WebSphere** application server that handles various requests from Client.
* Performed Web services testing between and third-party applications using **Soap UI** and performance functional testing of REST APIs using **JMeter.**
* Setup the **continuous Integration (CI)** process for the application using the **Jenkins.** Worked on **Log4J** to validate functionalities and **JUnit** for unit testing.
* Used **JIRA** to assign, track, report and audit the issues in the application.
* Automate build process through **Maven** build framework.
* Used **Git** to maintain the version of the files and took the responsibility to do the code merges and creating new branch when new feature implementation starts.

**Environment:**  Agile, Java1.8, HTML5, CSS3, JavaScript, Ajax, AngularJS, NodeJS, Micro services, Spring boot, Spring Cloud, Netflix OSS Stack- (Eureka), AWS (Amazon web services) including EC2, S3, Elastic Beanstalk EBS, Elastic Load Balancing ELB, AWS API-Gateway, Spring MVC, Spring JDBC, Spring ORM, Docker, OAuth 2.0, RESTful, WebSphere, Soap UI JMeter, Maven, Git.

**Client: Charter Communications Apr 2017 – Dec 2017**

**Location: St. Louis, MO**

**Role: Full Stack Developer**

**Description:** Charter Communications is an American telecommunications company, which offers its services to consumers and businesses under the branding of Spectrum. Providing services to over 25 million customers, The Granite 100 project will establish an inventory accuracy rate for discoverable elements above 95% through the creation, standardization and implementation of new tools and clearly defined processes. The overall project scope of the Granite 100 project includes Optical Transport, RDC, and Video and enhancing Granite IP network inventory to include network transport, video, WAN, datacenter, and physical inventory.

**Roles & Responsibilities:**

* Involved in Daily **Scrum** (**Agile**) meetings, Sprint planning and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint.
* Designed User Interface using **HTML 5, CSS3, JQuery** and **AngularJS, NodeJS** and **XML** in a responsive grid layout.  Implemented responsive design template to get a new interface in **Bootstrap**, **HTML5**.
* Developed **Single page application** and structured the **JavaScript** code using **AngularJS.**
* Developed, deployed and maintained **Single Sign On (SSO)** application in development, test and production environments.
* Implemented **MVC** architecture using **JSP, Spring, Hibernate** and used **Spring Framework** to initialize managed beans and services.
* Used **Spring AOP** for **logging**, **auditing**, **transaction** **management** to distinguish **business** **logic** from the cross cutting concerns.
* Extensively used **Hibernate** named queries, criteria queries, **Hibernate** Query Language (**HQL**) and Optimistic Locking and Caching to process the data from the database.
* Implemented **Restful** web services using **JAX-RS** annotations, Jersey as provider and implemented security using **OAuth**.
* Implemented **RESTful** Web services in **SOA (Service-oriented Architecture)** to retrieve data from client side and made **REST** API calls from **Angular JS** and parsed the data to client and handled the security.
* Developed **Database** Procedures for updating, Inserting, and deleting table for a complete logical Unit of Work (LUW) using **PL/SQL** under **Oracle Database Server**.
* Experienced in implementation of **JMS** in order to exchange information over reliable channel in an asynchronous way by using **Active MQ** as a message queue.
* Used **Spring** Core Annotations for Dependency Injection and used **Apache Camel** to integrate **spring framework**.
* Deployed the application using **JBoss** Application server.
* Developed Unit test cases using **Junit** tool and **Mockito**
* Used **Gradle** tools for building and deploying the Web applications.
* Used **JIRA** tool for tracking stories progress and follow agile methodology.
* Used logging techniques provided by **Log4j** tool for efficient logging and debugging.
* Developed the application using **RAD** as the **IDE** and used its features for editing, debugging, compiling, formatting, build automation and **version control (SVN).**

**Environment:** Agile (SCRUM) Methodology, JSP, HTML5, CSS3, JavaScript, JQuery, Ajax, AngularJS, Spring AOP, Spring MVC, Hibernate, HQL, Restful web services, OAuth, Oracle, PL/SQL, Active MQ, Apache camel, JBoss, Junit, Gradle, JIRA, Log4j, RAD, SVN.

**Client: Apple Inc Jan 2016 - Mar 2017**

**Location: Sunnyvale, CA**

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

**Description**: Hubble: This Project involves the design and development of a Web based application to provide an application monitoring system that allows users to publish, visualize and alert on key metrics for their applications. It also enables user to gain deeper insights by providing visibility into related infrastructure metrics.

**Roles & Responsibilities:**

* Involved in various Software Development Life Cycle (**SDLC**) phases of the project like Requirement gathering, development, enhancements using **agile** methodologies.
* Developed the user interface using **Spring MVC, JSP, JSTL, JavaScript, Custom Tags, jQuery, HTML** and **CSS**.
* Used **Spring MVC** for implementing the Web layer of the application. This includes developing Controllers, Views and Validators.
* Developed the service and domain layer using Spring Framework modules like **Core-IOC, AOP.**
* Used **AOP** concepts like aspect, join point, advice, point cut, target object and also **AOP** proxies
* Implemented **Spring JMS** message listeners with **JMS** queues for consumption of Asynchronous requests.
* Developed the Application Framework using **Java, Spring, Hibernate** and **Log4J**.
* Configured **ApplicationContext.xml** in **Spring** to adopt communication between Operations and their corresponding handlers.
* Configured **Hibernate session factory** in applicationcontext.xml to integrate **Hibernate** with **Spring**.
* Implemented the caching mechanism in **Hibernate** to load data from **Oracle** database.
* Developed **Spring** rest controllers to handle **JSON** data and wrote Dao’s and services to handle the data.
* Created **DB tables**, **functions, Joins** and wrote prepared statements using **PL/SQL.**
* Consumed and Create **REST** **Web services** using **Spring** and **Apache CXF**.
* Developed **My SQL** stored procedures and triggers using **SQL** in order to calculate and update the tables to implement business logic.
* Developed unit test case using **JUnit** tool and **Mockito**.
* Used **IntelliJ** for development and **JBOSS** Application Server for deploying the web application.
* Used **Maven** to build the application and monitored the error logs using **log4j.**

**Environment:** Agile methodology, Spring MVC, JSP, JSTL, JavaScript, jQuery, HTML, CSS, Spring AOP, Spring JMS, Hibernate, SQL, JSON, PL/SQL, REST web services, JBOSS, Maven, log4J.

**Client: Aetna Jan 2015 – Dec 2015**

**Location: Hartford, CT**

**Role: Java/J2EE Developer**

**Description:** Aetna Inc. is an American [managed health care](https://en.wikipedia.org/wiki/Managed_health_care) company, which sells traditional and [consumer directed health care](https://en.wikipedia.org/wiki/Consumer_directed_health_care) insurance plans and related services, such as medical, pharmaceutical, dental, behavioral health, long-term care, and disability plans.

**Roles & Responsibilities:**

* Involved in **SDLC** **requirements gathering, analysis, design, development and testing** of application developed using **Agile** methodology.
* Used **Spring MVC** and **Dependency Injection** for handling presentation and business logic.
* To maintain loose coupling between layers published the business layer as services and injected the necessary dependent components using **Spring IOC** and published cross cutting concerns like Logging, User Interface exceptions, Transactions using **Spring AOP.**
* Integrated **Spring DAO** for data access using **Hibernate**.
* Implemented persistence framework using **Hibernate** & Handled **Transaction Management** using the provided data source.
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Developed **Message Driven Bean** for asynchronous sending Messages using **JMS**.
* Consumed **Web Services** to interact with other external interfaces in order to exchange the data in different forms by using **RESTful** service.
* Used **Spring JMS** module for lookup for the queues and MDBs for the listeners
* Established Database Connectivity using **JDBC, Hibernate O/R mapping with Spring ORM** for **Oracle**.
* Involved in writing complex queries using **PL/SQL** to extract data from database and to delete the data and to reload the data on Oracle database.
* Packaged and deployed the application in **IBM** **WebSphere**.
* Written **LINUX** shell scripts to identify user login information.
* Used **Log4J** for application logging and notification tracing mechanisms.
* Used **Maven** tools for building and deploying the Web applications.
* Analysis and Bug fixing of the production problems and defects along with enhancements
* Implemented **JUNIT** test cases for unit testing and Suites for end to end testing.
* Used **JIRA** for tracking the **Project Stories** in Agile Methodology.
* Used **Tortoise SVN** to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.

**Environment:** Agile methodology, Spring MVC, Spring IOC, Spring AOP, Spring DAO, Hibernate, JSON, RESTful, Spring JMS, Spring ORM, JDBC, Oracle, Web Sphere Server, LINUX, Log4J, Maven, Junit, JIRA, Tortoise SVN.

**Client: Wave Technologies May 2012 - July 2014**

**Location: Hyderabad, India**

**Role: Java Developer**

**Description:** Wave Technologies is a software company that provides financial services. Its service domain includes web design and development, custom software development and consulting. It is a web based application for banks and other lending institutions that is designed & developed to span the complete loan cycle from capturing the initial inquiry from prospective customer till the closure of a loan account.

**Roles & Responsibilities:**

* Was involved in all the phases of the project right from requirements gathering to maintenance.
* In architecting various Business Layer and Data Management components of multi-tiered web based system over **J2EE** architecture.
* Participated in Functional Document reviews and created Technical documents.
* Actively designed, developed and integrated the Metrics module with all other components.
* Used **Scrum** for managing product development.
* Developed **Struts Action** and Form classes to access Java Beans and UI.
* Developed and deployed various Sessions beans.
* Worked on distributed database management systems like Cassandra.
* Used Hibernate to access database and perform database updating.
* Used **Spring Core** for middle tier development to achieve inversion of control.
* Wrote complex queries and mapped database views using DAO in **Oracle**.
* Used various Core Java concepts such as **Multi-Threading, Exception Handling, Collection APIs, Garbage collections** for dynamic memory allocation to implement various features and enhancements.
* Co-ordination with offshore team on development activities.
* Developed Use Cases, **UML diagrams** such as **Sequence Diagrams**, **Activity Diagrams** and **Class Diagrams,** for my application modules (Metrics).
* Developed Web Services using **XML** messages that use **SOAP**. Developed **Web Services** for Payment Transaction and Payment Release.
* Used web logic application server to deploy the application.
* Enveloped the application using **Eclipse** as the **IDE** and used its features for editing, debugging, compiling, formatting, build automation and **version control (SVN).**
* Involved in unit testing the applicable code using **Junit**.
* Wrote test cases in Junit for unit testing of classes and implemented the logging using **Log4j**.
* Retrieving code from the repository and deploying in Production using **ANT**

**Environment:** JSP, Struts, Spring IOC, JNDI, Hibernate, Oracle, Rational Software Architect, XML, Web Services (SOAP/WSDL), Web Logic Application Server, SVN, Junit, Log4J, ANT.

**Client: Savisra Software Solutions Pvt.Ltd June 2010 – May 2012**

**Location: Hyderabad, India**

**Role: Software Trainee**

**Description:** Was a part of a 3-member’s team, working under a Sr. Analyst, to identify and resolve technical issues during the design and development of its first Blast-Analytical System. Responsible for all facets of system related projects, business analysis, scope and specification reviews, system analysis and design, project management and scheduling, program testing, maintenance and training.

**Roles & Responsibilities:**

* Developed web application using Struts, JSP, Servlet, Java beans that uses MVC design pattern
* Created user-friendly GUI interface and Web pages using HTML, CSS and JSP
* Wrote JavaScript for client-side validation.
* Used Eclipse as IDE tool for creating Servlet, JSP, and XML.
* Wrote SQL for JDBC prepared statements to retrieve the data from database.
* Monitored the logs using Log4J and fixed the problem.
* The application was deployed on the Tomcat.
* Involved in build and deploying the application using ANT.
* Used CVS as version control system.
* Worked on bug fixing and Production Support.

**Environment:** J2EE, JDBC, Struts, JavaScript, Html, CSS, JSP, Servlet, Tomcat, Oracle, Eclipse IDE, CVS, ANT, Log4J.