**Varun Kumar**

**Email:** [**varunrred@gmail.com**](mailto:varunrred@gmail.com) **Phone: 832-794-7482**

**Professional Summary:**

* Around 6 years of software development experience in object oriented programming, design and development of Multi-Tier distributed, Enterprise applications using **OOP**s, **Java** and **J2EE** technologies.
* Having exposure to and involvement in different phases of the software Development Life Cycle(**SDLC**), testing, deployment, installation and user training of software and database design.
* Expertise in designing ASP.NET based Graphical User Interfaces with **CSS**, **JavaScript**, **AJAX**, **jQuery**, **AngularJS**, **Bootstrap**, **Multithreading** and **HTML**.
* Programming experience in Back-end and Front-end based Development, and Wireless and Telecom methodologies
* Value Added Service (**VAS**), **SMS**, **MMS**, **3GPP**, **UDH** for **UCP, SMPP**
* Extensive experience in designing and developing software applications with the **JDK** […] **J2EE**, EJB, Annotations, Java, JSP, Servlets, **Java Beans, AJAX, JMS, JDBC, JAXP, XML, JavaScript**, **jQuery**, **CSS**, **Web** **Services**, **SOAP**.
* Possesses extensive experience in telecommunications **GSM & IMS** networks**: SS7, MAP, CAP, SMSC**, **VAS, IN, LBS, SIP, Sigtran**.
* Implemented RESTful services using **Spring Boot** and MicroServices Architecture
* Expertise in developing **Master Pages**, **CSS** to separate content of document from its presentation, **JavaScript** to perform Client-side validation and **AJAX** to develop interactive web applications.
* Extensively used **Java Collections**, Generics, Exception Handling and Lambda expressions.
* Experience in client-side web development and validations using **HTML, HTML5, DHTML, CSS**, **Java Script, AJAX**.
* Hands on experience in **JAAS, JAVA SAP** Integration, **SSO**, Site Minder.
* Experience in Client-Side **debugging** tools such as **Firebug**, **Fiddler** and **SOAP UI**
* Strong knowledge of object oriented concepts and experience working with languages like **C#**, **C++** and **Java**.
* Used **JMeter** for load test functional behavior and measure performance.
* Having good understanding of various **J2EE** Design patterns like Singleton, Front Controller, Business Delegate, Service Locator, **DAO, VO** etc. Proficient in using **GOF** **JAVA design patterns.**
* Design and GUI development in Windows Presentation Foundation(**WPF**) and Windows Forms
* Proficient in building Web Applications using **HTML5**, **XML**, **AJAX**, **JavaScript** **(jQuery**, **AngularJS**), **Bootstrap** and **CSS** in a Client/Web Server environment.
* Expertise in using **Java/J2EE** design patterns including Intercepting Filter, **MVC**, Singleton, Data Access Object, Data Transfer Object, Service Locator, client-server and N-tier architectures.
* Developing and supporting **UNIX/Linux Korn shell scripting**.
* Used **MAVEN** as build-tool for building **J2EE** applications.
* Using Jenkins and **GIT** for building and deploying the projects and worked on **Stash** **GIT** repository software.
* Worked on **RESTful** Microservice based architecture, using Spring Boot, Apache Camel and MongoDB on the backend to produce Rest API and consumed those APIs through Angular 4 in frontend.
* Using **GitLab** Repository
* Used Docker containers and **Cucumber** Scenarios to automating integration tests to bolster platform stability and minimize bugs.
* Used **Wireshark** to know the communication between local and remote machine. Captured local TCP protocols to know the number of round trips, in order to improve the performance.
* Implemented the application using **Spring Boot** and Spring Data Framework and security using Spring Security.
* Strong knowledge of Design including **J2EE** Design Patterns Singleton, **MVC**, **DAO**, Business Delegate, Front Controller.
* Worked on fixing the bugs for improving the Code Quality using **Sonar Lint** in s.
* Experience with Linux Bash Shell Scripting, WinSCP, Putty and **Stash**.
* Used **JIRA**, **Stash**, Confluence, Splunk, Git, Source tree to provide tier 1 support for developer and operations staff.
* Good working experience in **AngularJS 1.x** and **Angular 2**
* Designed and Developed reports using **SSRS**. Reports were developed against a variety of data sources which included **SSRS**.
* Created **LINQ** enabled database layer using **API** such as **LINQ** to SQL and **Entity Framework**.
* Advanced skills **in Unix/Linux shell programming**.
* Good Knowledge in building and deploying applications using Git, Grunt, Ant, Maven and **Bamboo** scripts.
* Used Maven for generating system builds and **Bamboo** for continuous integration (CI).
* A Good team player with excellent communication and inter-personal skills with a positive attitude towards work, loyalty towards time schedules for worthful delivery.

**Technical Expertise:**

|  |  |
| --- | --- |
| Languages and Web tools | Java 1.8, J2EE, C#, C++, .NET, JavaScript, jQuery, AngularJS, React JS, Bootstrap, Web Services, WCF, WPF, Remoting, Win Forms, Web Forms |
| Web services | REST and SOAP Web Services. |
| Development Tools | IBM RAD 6.0-7.0, Eclipse, Net Beans, IntelliJ and Spring Tool Suite |
| Protocols | TCP/IP, HTTP, HTTPS, OAuth 2.0 Protocol and Http Basic Auth. |
| Databases | Microsoft SQL Server 2008/2013/2014, R2, Mongo DB, Oracle 10g. |
| Tools | Apache Maven, Jenkins, ANT and Postman, Docker Struts, Cucumber, Jmeter, Selenium, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring Security, Spring Boot, Microservices, HTML, CSS, XCAL, QXDM, MA, GitLab, RESTful |
|  |  |

Educational Qualification: Master’s in Computer Science (Lamar University)

**Professional Experience:**

**Client: Vantiv, Cincinnati, OH May '2017 - Till Date**

**Title: Java /J2EE Developer**

**Responsibilities:**

* Involved in initial requirement gathering. Played an active role in analyzing, documenting and designing the application.
* Played an active role in creating business document, functional document and Technical document.
* Developed **J2EE** web application using the **Java 7**, multi-threading, Spring **MVC** 4.1.0, Oracle JDBC and implemented caching in the application using IBM dyna cache.
* Designed and developed insurance application front end and back end business functionality, used spring, **J2EE** Design Patterns such as **MVC** and JSP/Servlets to develop the application.
* Designed, developed and maintained data layer using Hibernate and performed configuration of Spring Application Framework.
* Designed Hibernate configuration file in **ORM** model which automate the mapping between the **SQL** databases and objects in **java**.
* Used **GitLab** Enterprise addition for continuous integration and continuous development of code.
* Utilized **HTML, CSS, JavaScript**, and **AJAX** for client - side developments and validations.
* Used **Spring Boot** for developing MVC application.
* Involved in CICD process using GIT, Jenkins job creation, Maven build Create Docker image and deployment in AWS environment.
* Developed user interfaces using JSP, JSP Tag libraries **JSTL,** **HTML 5**, **CSS3** to simplify the complexities of the application.
* Stored the data in MongoDB in the form of Non-relational databases
* Used **JMeter** for load test functional behavior and measure performance.
* Used Microservices to communicate using synchronous protocols HTTP and **REST**.
* Used Spring Core Annotations for Dependency Injection and **Spring** MVC for REST API's and **Spring Boot** for **microservices**
* Added dynamic functionality to the application by implementing **jQuery** and **Angular JS**.
* Worked with **JSF** framework in developing user interfaces user interfaces using JSF UI Components, Validators.
* Used **Jira** Atlassian tools like **Bamboo** for Continuous Integration and deployment**, Bit Bucket** and Confluence.
* Expertise in developing web services using **Stash**, **SOAP**, **WSDL**, **RESTful**, **JAX-WS, JAX-RS, JAX**-**RPC**.
* Used **Stash** for mandatory code reviews (through pull requests) to improve code quality and promote cross functional learning.
* Implemented custom **Stash** Plugin (Java) for integration with **GIT** for associating commits with user tasks.
* Used **Stash** for source code management (SCM).
* Build servers using **AWS,** importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Used **SOAP** based **Web Services** from scratch to develop interfaces to integrate between front end systems and back end systems.
* Experience in Service Oriented Architecture using SOAP, JAX-RS and **Restful** Web Services
* Experience on Hudson/Jenkins and **Bamboo** for continuous integration and for the end to end Automation for all the build and deployments.
* Used Web services for creating rate summary and used **WSDL** and **SOAP** messages for getting insurance plans from different module and used XML parsers for data retrieval.
* Developed **Java** and **C++** applications to create, update and delete data stored in relational databases using JDBC programming interface.
* Modified the UI screens created by web designer usingHTML5, CSS3, and JavaScript, **React.js**
* Developed APIs using annotation based Hibernate JPA frameworks for data and transaction management and for connecting to the relational databases and querying
* Used **JMS** (Java Message Service) to send, receive and read messages in the application. Used different messaging models like Publish-Subscribe, Point-to-Point messaging along with **EJBs**.
* Worked on **MQ-Series** with **Java**, **JMS** on the WebSphere server side.
* Worked on Cassandra clusters in the Amazon Web Services (AWS) Cloud and migrated data between environments.
* Used React JS to make webpages rendering faster using virtual DOM and took part in testing the application components using JEST, **React** test utils and mocked http calls.
* Performance tuning of applications by using **JMeter** to optimize the code and improve response time to resolve timeout issues
* Performed Junit & **Cucumber** Testing.
* Experience with Streaming platforms like Apache Kafka.
* Involved in designing test plans and testing the application on DEV/QA environment and also automating the test cases using **selenium/cucumber**.
* Designed various tables required for the project in Oracle 11g database and used the stored procedures in the application and Wrote Stored Procedures, Triggers and Functions on SQL Server as well as **PL/SQL** on Oracle to support both databases for the application.
* Involved in the development of Standard XML reports and **XSLT** style sheets and Developed XML parser to convert java objects to **XML** and XML to java objects.
* Developed client/server and N-tier web applications using **Java**, **J2EE**, Apache Struts framework and Spring (MVC) framework.
* Developed the modules in **AngularJS 1.4** and **Angular 2**
* Converted jQuery code to plain JavaScript, followed ES6 standards, used Webpack, **NodeJS**, Integrated this API to the landing page.
* Experienced in TDD (Test Driven Development) using Junit, **Cucumber, Selenium** and created technical design document containing architecture of the application/module/product.
* Have working knowledge of **C#** for backend requirements.
* Used Web services for sending and getting data from different applications using **Restful**
* Involved in writing the **JUnit** test cases and integration testing of the system.
* Used SVN for source code maintenance and for version control.
* Written Maven Scripts to build generate WAR file and deploy the application.
* Implemented by using AGILE Methodology focusing on SCRUM.
* NoSQL database design and implementation with Cassandra and MongoDB.
* Maintained and debugged existing code **Jira, Stash/GIT**, and Used **SVN** for version control.
* Everyday tasks include **Agile, Rally, Jira, GitHub, and Stash**.
* **J2EE** application development on Windows and **UNIX platforms** using **MVC** pattern

**Environment**: Java, J2EE, HTML, CSS, JavaScript, XML, JSP, Angular JS, Servlets, Jmeter, Spring Boot, Struts, Jasper Report, Hibernate, Web services, SQL, BPM, Oracle, GWT, React JS, Stash, AWS, bamboo, selenium, cucumber, Microservices, Eclipse, GIT, GITlab, Jenkins, Maven, Log4j, JUnit, WebLogic 10.X, IBM WebSphere Application Server, JIRA, ClearCase Unix/Shell Scripting.

**Client: Paccar, Seattle, WA Jan '2016 - March ‘2017**

**Title: Java / J2ee Developer(Telecom)**

**Responsibilities:**

* Followed the standard for **Software Development Life** Cycle Processes (Selection of a Life Cycle Model, Project Initiation, Project Monitoring and Control, Requirements, Design, Implementation, Installation, Operation and Support.
* Participated in periodic technical reviews of various modules and developed schema to improve them.
* Used, participated in Agile Methodologies for design and development of the applications.
* Involved in Scrum meetings for effective development.
* Programming experience in Back-end and Front-end based Development, and Wireless and Telecom methodologies
* Used to test performance both on static and dynamic resources using **JMeter**.
* Used Apache camel integration for routing and transforming the data between two Applications using HTTP protocol.
* Implemented different validation control on the web-pages using Angular 2 and developing a cross-platform JavaScript based solution using Angular JS, Built user interfaces differently by breaking them into components using **React JS**.
* The physical layer model is based on the post equalization Signal to noise ratio and provides the simulation derived "fading parameters" representing each of the individual interference terms
* Performed system level simulations to test the impact of various links on the network performance.
* Implemented Microservices architecture using Spring Boot for making application smaller and independent. Used REST API, HTTP requests and implemented JSON format for data exchange for communication of microservices with one another and pushed it to Docker container
* Extensive experience in developing Single Page Applications using **Angular**
* Develop and maintain system test automation using Java, C++ and C#.
* Manages and develops Proactive Rules Engine that offers Live chat on www.verizon.com
* Involved in complete Software Development Life Cycle (SDLC) with Object Oriented Approach of client's business process and continuous client feedback.
* Lead a network test team collecting data using **XCAL** and MS Street and trips tool for Sprint/Samsung networks
* Used spring data JPA which focuses on JPA to store data in relational data base, by which simple Queries are written.
* Setup Drools Rule Engine on **JBOSS** server and manage configuration.
* Used **Wireshark** to know the communication between local and remote machine. Captured local TCP protocols to know the number of round trips, in order to improve the performance.
* Involved in writing **java API** for Amazon Lambda to manage some of the **AWS** services.
* Used Microservices to ensure the scalability of application on cloud infrastructure.
* Developed application modules using Spring **Boot**, Spring Annotations, Spring Beans, Dependency Injection, with database interface using Hibernate.
* Used Spring **MVC** front controller pattern to handle requests starting with dispatcher servlet to handle incoming requests.
* Device interoperability testing (IOT) using LTE network and different software tools like , **XCAL**
* Developed unit test cases in Junit, Mockito and powermock and improved code coverage to 90% in SONAR.
* Design and develop automation framework using Java, **Selenium** web driver, Junit and Maven
* Value Added Service (VAS), SMS, MMS, 3GPP, UDH for UCP, SMPP
* SMS Platform, Short code acquisition
* Contributed to teams developing business software applications and services, using a relational database (such as Oracle or DB2).
* Fixed critical issues reported by SONAR and security issues by Fortify.
* Using **GIT/Stash** for version control system.
* Requirements, Design, Planning, Architecture, and Leading Development Live chat platform
* Creating Unit Tests using Mockito and **JUnit** and leveraging **SOAP UI** for testing the web services. Using Maven 2.0 is as a build tool for building the application and **GIT/Stash** for version control system.
* Implementing Swagger Configuration in Java **Spring boot** for auto generating swagger json files for REST API call.
* Implemented Spring Bean Factory to create proxied object using AOP Framework.
* Experience with **SAML** single sign on configuration.
* Work with the Atlassian tools such **Git/Stash, JIRA** and **Crucible** for store and share the application code, issue tracking and code reviews respectively.
* Involved in the design and development of Batch Jobs using Spring Batch Architecture
* Used Hibernate as an **ORM** mapping tool and worked with Hibernate Query Language (HQL).
* Worked on backend logic using Servlets, **EJB** , **Hibernate** , **Unix/Shell Scripting** and **JDBC**
* Defined the Hibernate Configuration File, Hibernate Mapping using annotation and created classes to persist the data.
* Developed Message Driven Beans (MDB) as Queue listeners for JMS queues.
* Development of Application based on **J2EE** using **JSP,** Servlets, **Spring Framework**, and Rest Web Services with **JMS**.
* Used **AJAX** to call the REST API methods and connect to the backend.
* Implemented **SOAP** messages for information exchange for Web services.
* Worked on **REST-SOAP** transformation for services calls.
* Produced and consumed the web services data in the form of **JSON, XML**.
* Created different **XML** documents using **XML, XSD** and **XSLT**. Used E4X and Light DOM parser, and SAX parser for transforming the XML data.
* Developed classes using core **java** (multithreading, concurrency, collections, memory management) and some spring **IOC.**
* Worked on building a family of high performance, carrier-class 4G Wireless Mobile Broadband Gateways that enable the service providers to successfully deploy **LTE.**
* Designed & developed the UI application using React JS, Rest, **Spring MVC**, **Spring Data JPA**, **Spring** Batch, **Spring** Integration & Hibernate.
* Configured **bamboo** automating the builds into Gradle archive repository.
* Developed various screens for the front end using React JS and used various predefined components from **NPM** (Node Package Manager) and Redux library.
* Used React JS for templating for faster compilation and developing reusable components.
* Created dynamic forms for displaying the data in the React **DOM** according the information from backend.
* Performed modeling and simulation to support Design Group Responsibilities
* OSS-RC is the main product for **GSM/LTE/WCDMA** Radio Access, Mobile Packet Switched and Circuit Switched Core, and IMS network management
* Network element connections to Core & **WCDMA/LTE** network elements, administration of the Core Network and & **WCDMA/LTE**, Pico Network related applications and both standard and corrective maintenance of the system and manage processes, errors and authority issues in the OSS-RC system
* Used **J2EE SOA** based **JAX-WS** web services to develop reusable web service components.
* Configured Hibernate-**ORM** to map java objects such as clients and claims with database tables.
* Developed web interface for Users Modules using **JSP**, **HTML**, **XML**, **CSS, Java Script, AJAX**, and Action Servlets with Struts Framework, spring frame work.
* Used **GIT** for source control and Jenkins for continuous integrations
* Worked on **Jira** for User requirements and used **Jira** as bug tracking tools.
* Involved in unit testing, integration testing, **SOAP UI** testing, smoke testing, system testing and user acceptance testing of the application.
* Developed functions and store procedures using **SQL** for the Application.
* Wrote database queries using **SQL** and **PL/SQL** for accessing, manipulating and updating Oracle Database

**Environment**: Java 1.8, J2EE, HTML5, CSS3, Bootstrap, jQuery, AngularJS, NodeJS, **Spring Boot**, Spring AOP, Spring MVC, Spring Security, Spring Data, RESTful Services, React JS, Jersey, Hibernate, Gradle, Unix/Shell Scripting, MicroServices, AWS (Amazon Web Services), Oracle, Docker, MongoDB, Mockito, Log4j, JIRA, GIT, Bamboo, Jenkins and Web Sphere Application Server.

**Client: National payments corporation, Mumbai, India Feb '2014 - June ‘2015**

**Title: Java Developer**

**Responsibilities:**

* Involved in Design and Code Construction with **OOPs** Implementation.
* Involved in Maintenance / Enhancements of the application which includes developing the new reports.
* Developed **JSP**, Tiles, Validator, Action classes and **EJBs** for various user transactions.
* Designed **Java Servlets** and Objects using **J2EE** standards.
* Implemented the project by using **MVC** framework.
* Used Struts Validator framework to validate user input.
* Used Struts **MVC** framework along with **JST** for developing **J2EE** based web application.
* ROMS: Regional Order Management Systems is an Application, where end users place orders for fiber (**LTE**) based products, retrieve the product order status and they can enquired through online chatting with Customer Representatives or Call Center agents
* Used Web Services for sending and retrieving data from different applications using Restful and SOAP.
* Worked with Wireless Telecom Professional for Testing & performance Analysis experience in **LTE** technologies.
* Used **Wireshark** for the network traffic monitoring.
* Collect various data using **XCAL** and MS Street and Trips to perform drive test for 4G WiMax
* networks
* Designed Implementation of **GUI** using **HTML**, **JSP** and **Java Script** for front-end validations.
* Implemented Singleton Design Pattern by sharing the single service locator object across different Business Delegates.
* OSS-RC manages the GSM and WCDMA core network nodes, the **GSM**, **LTE** and **WCDMA** radio access network nodes and the multimedia network nodes
* Developed the **XML** Schema for the data maintenance and structures.
* Implemented EJB session beans, messaging technologies like Message Driven Bean, **JMS**.
* Involved in designing Database Connections using **JDBC**.
* Involved in design and Development of **UI** using **HTML**, JavaScript and **CSS**.
* Used **JSP** for presentation layer, entity beans as the model to represent the persistent data and interacted with Oracle database as per **MVC** Architecture.
* Used **JDBC** calls in the Enterprise  to access Oracle Database.
* Involved in Integration testing and defect fixes.
* Developed **Unit Test** Scenarios and tested Test Scenarios in Web methods using **N-Unit**.

**Environment:** Java, J2EE, Junit, JDK 1.5, Spring core, Spring MVC, Hibernate, SOAP/Rest Web services, Ajax, XML, jQuery, HTML, CSS, TC Server, SVN, Maven, Jenkins, Splunk, SFX, MAX, SEED. Oracle

**Client: Easylink, Chennai, India March'2012 - Jan '2014**

**Title: Java Developer**

**Responsibilities:**

* Involved in Design and Code Construction with **OOPs** Implementation.
* Involved in Maintenance / Enhancements of the application which includes developing the new reports.
* Developed **JSP**, Tiles, Validator, Action classes and **EJBs** for various user transactions.
* Designed **Java Servlets** and Objects using **J2EE** standards.
* Implemented the project by using **MVC** framework.
* Used Struts Validator framework to validate user input.
* Used Struts **MVC** framework along with **JST** for developing **J2EE** based web application.
* Implemented Hibernate to map all the tables from different data sources to make database updating.
* Designed Implementation of **GUI** using **HTML**, **JSP** and **Java Script** for front-end validations.
* Implemented Singleton Design Pattern by sharing the single service locator object across different Business Delegates.
* Developed the **XML** Schema for the data maintenance and structures.
* Implemented EJB session beans, messaging technologies like Message Driven Bean, **JMS**.
* Involved in designing Database Connections using **JDBC**.
* Involved in design and Development of **UI** using **HTML**, JavaScript and **CSS**.
* Used **JSP** for presentation layer, entity beans as the model to represent the persistent data and interacted with Oracle database as per **MVC** Architecture.
* Used **JDBC** calls in the Enterprise  to access Oracle Database.
* Involved in Integration testing and defect fixes.
* Developed **Unit Test** Scenarios and tested Test Scenarios in Web methods using **N-Unit**.

**Environment:** Java, J2EE, Junit, JDK 1.5, Spring core, Spring MVC, Hibernate, SOAP/Rest Web services, Ajax, XML, jQuery, HTML, CSS, TC Server, SVN, Maven, Jenkins, Splunk, SFX, MAX, SEED. Oracle