**Akash Rao Balguri**

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**SUMMARY:**

* Overall 8+years of extensive experience in **object-oriented design/analysis, Java development, web services** for **service-oriented architecture**, and data modelling, skilled at progressing from problem statement to well-documented designs and code.
* Strong hands-on experience in programming with J2EE and associated technologies including **servlets, JSP, JDBC, Spring core, Spring MVC, Spring Boot,** Hibernate, SOAP/Rest web services.
* Experience in Persistence Framework like **Hibernate ORM** (Object Relational Mapping) in a typical n-tier architecture.
* Experience is creating custom directives and using services like **$http** and **$q**.
* Worked extensively on **Management Beans** to handle various configurations.
* Good understanding of ORM technologies **Hibernate, JPA** and **Spring JDBC**.
* Experienced in designing front end pages using **HTML5, Angular JS/4, React JS, CSS3, JavaScript, JSX, Typescript, jQuery UI, SCSS, AJAX, Bootstrap, XML and JSON.**
* Extensive knowledge onModel View Controller framework such as **Angular** for creating Single Page Application (SPA)
* Experienced in **ReactJS** and working with **React Flux architecture** and Redux library.
* Have knowledge and used **React Native** for mobile applications development.
* Skilled on server-side JavaScript development using **NodeJS/ExpressJS**.
* Have done server-side scripting using **NodeJS** to develop the applications, which are data intensive real time applications that run on distributed devices.
* Experience implementing asynchronous communication using **AJAX** and handle response with call back functions **jQuery** and **Rest** web services.
* Experienced in developing complex PL/SQL queries, Procedures, Triggers, Stored Procedures, Packages and Views in various databases such as **Oracle, DB2 and MySQL, SQL Server**.
* Experience in working with application servers like **IBM Web Sphere, Web Logic, JBOSS, and Apache Tomcat**.
* Excellent Understanding **of Test-Driven Development** (TDD) using **Jasmine tool, Jest**.
* Experienced in different build tools like **grunt and gulp**.
* Strong Experience in coding **queries**, **procedures,** and **packages** in **SQL.**
* Hands on experience in configuring and using **Maven** and **Ant** build tools**.**
* Expert in using version control tools such as **SVN, CVS** and **GIT**.

**TECHNICAL SKILLS:**

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| **Operating Systems** | Windows, Linux, UNIX |
| **Languages** | Java, J2EE, ORACLE, PL/SQL, SQL, C |
| **Java/J2EE Skills** | JSP, Servlets, XML, XSLT, SAX, UML, Junit |
| **Web/App Servers** | Apache Tomcat, IBM WebSphere, WebLogic, JBoss |
| **Frameworks** | Hibernate, Spring, MyBatis, Struts, AJAX, JQuery |
| **Web Services** | SOAP and Rest Services |
| **Web** | **JavaScript Libraries:** Angular 1.x, Angular, ReactJs/Redux, React Native, NodeJS /ExpressJs, ExtJs Bootstrap, jQuery, HandlebarsJs.  **Web Technologies:** Typescript, JavaScript, AEM, jQuery, HTML5, CSS3,SCSS, AJAX. |
| **Databases** | Oracle, J-Boss, SQLServer, DB2 |
| **Version Control** | SVN, GIT, ClearCase |
| **IDEs** | IntelliJ,EclipseIDE, FireBug, Chrome Developer Tools, Notepad++, WebStorm,Sublimetext, Postman, Sauce Labs. |
| **Testing Tools** | JUnit 3.8/4.0, Selenium, TestNG, SoapUI, Jasmine, Karma, Test Driven Development (TDD) |

**PROFESSIONAL EXPERIENCE:**

**Express scripts Inc/Evernorth, NJ**

**Role: Sr. Full Stack Developer April 2018 – Present**

**Description:** The Communication gateway project is developed for keeping Prescription communications up to date to provide real time interface for ESI systems and targeting systems, to initiate a trigger via various fulfilment systems and vendors supported by our communication platform. Basically, it is a platform for authorising, generating, distributing, and managing the lifecycle of outbound prescription communications to a multichannel customer engagement model. by developing new programs and speciality data campaigns of patient preferences.

**Responsibilities:**

**BackendResponsibilities:**

* Analysis, design, and development of application based on **J2EE** using **Spring Boot.** Spring MVC, Spring IOC, Spring transactions and Spring security modules.
* Involved in implementing the **Micro Services** based on Restful API utilizing Spring Boot with a **Hibernate ORM**.Consumed **Restful Web Services** using Spring REST template
* Implemented spring boot microservices to process the messages into **Apache Kafka cluster** setup.
* Contributed to the DevOps to automate the build and deployment process using **Jenkins.shell scripting**andCloud Formation Template.
* Implemented a security module in **JS framework** which integrated with the **Spring security** in the backend with Authentication and Authorization.
* Developed Enterprise Web Services (REST) built on Spring Framework and Consumed and generated client using **Rest Template** and Jackson for **JSON** conversion.
* Implemented Swagger Configuration in **Java Spring boot** for auto generating **swagger JSON** files for REST API calls.
* Used a light front-end framework against the **JSON API** for their service requests.

**Front end and Data Analyst:**

* Develop reusable components using JS frameworks**, HTML5, CSS3, XML, and XSLT** based on the visual design and develop the prototyping framework for AB testing.
* Used **ReactJS** library to accomplish the single page application and produce higher maintainability of the code.
* Established parent and child component relationships to follow the **React source code** architecture to better handle individual components created for different features in the application.
* Used **jQuery** to traverse through a DOM tree and manipulate the nodes in the tree.Used **jQuery plugins** to create Widgets, Menus, Drag-and-Drop, User Interface, and Forms.
* Used **Grun**t as a build tool to automatically compile and bundle the code.
* Worked with **Cheetah Email Marketing Manager** to manage operational details such as **email deployments, source code uploads, and link management**
* Assisted with list management of all customer data within the database to include **opt-out management, hard bounce management,** and new subscriber uploads
* Perform **ad-hoc research** on competition and consistently share developments in email best practices to help improve our existing programs
* Provide custom development and functionality for **Drupal multisite** web application
* Experience in **Drupal** with custom module development
* Extensively used **GIT** for push and pull requests of the code
* Used **JIRA** for User stories, issue tracking and **Confluence** to collaborate and share knowledge efficiently in the project.

**Environment:** Java, Spring MVC, Spring Boot, Kafka, HTML5, XHTML, CSS3, React JS,Redux, JSON, Oracle DB, Maven, JUnit, GIT, Jenkins, Log4J, Restful web service

**Texas State Department(TPWD), TX April 2017- March 2018**

**Role: Full Stack developer**

**Description:** The Fleet Management System is being developed to provide for the entry, approval, and management of vehicle usage data. The system will facilitate vehicle log entry by all custodians of vehicles and approval or rejection of the entry by the custodian’s chain of command.

**Responsibilities:**

* Analysis, design, and development of application based on **J2EE** using **SpringMVC.**
* Developed and designed the front-end using **XHTML**, **HTML5, CSS3, and JavaScript** with **AJAX libraries**.
* Defined new validations through **AngularJs4.0** for the form field validation implemented through **HTML5**.
* Add feature toggle between **AngularJS & Angular** applications to switch between the old and upgraded version of application to check for the consistency and to find any missing functionalities during the upgrade process.
* Built **Angular Template** for products using **Angular Material** and using **ng-repeat** to iterate the products list.
* Created custom **NodeJS proxy** to simulate API responses before client implementation was complete, and to proxy requests to finished client APIs, handling authentication, custom headers, virtual application root etc.
* Worked on basic authentication in both **Java Spring boot**, for implementing security between front end **UI and backend SOA services**.
* Involved in implementing the Micro Services based on Restful API utilizing **Spring Boot with Spring MVC.**
* Implemented exception handling in Java Spring boot for **REST API,** by making use of Exception Handler and Controller Advice annotations.
* Worked on creating stored procedures, and scheduled via SQL Agent jobs, that moves NORS data from **Oracle to SQL Server database.**
* Designed and documented **REST**/**HTTP** APIs, including **JSON** data formats and **API** versioning strategy.
* Extensively used Spring Bean **Wiring, Spring DAO, and Spring AOP** modules.
* Used **JERSEY framework** to implement the JAX-RS (Java API for XML and RESTful Service). Consumed SOAP based Web Services to integrate with the Web Application.
* Performed Web services testing between and third-party applications using **Soap UI** and performance functional testing of REST APIs **using JMeter**.
* Created build scripts using **Maven** by adding dependencies in pom.xml.
* Used Waterfall methodology as Software Development model for the project.

**Environment:** Java version 1.8, J2EE, HTML5, XHTML, CSS3,JSF, JQuery, Spring MVC, JSP, JQUERY, JSON, Maven, JUnit, SVN, JBOSS, Jenkins, Log4J, Restful web service

**Sabre Corporation, TX July 2016 – March2017**

**Role: Full Stack developer**

**Description:**In a travel technology company almost 50% of all calls to Hotel Desk are regarding Hotel Viewership rate code management. This new GUI is for Travel Agency’s Viewership Manager, which will take them through the process of enabling Viewership for both Master and Branch PCCsthe user interface will reflect what programs are being managed by the subscriber, the status of each program, which hotel chains have enabled Viewership, which PCCs have Viewership and detailer reporting. User Interface is available in English, Spanish and Portuguese as a priority.

**Responsibilities:**

* Implemented **agile methodology** throughout the project development lifecycles.
* Developed UI pages with **AngularJS 2.0, Angular along with HTML5, CSS3, ES6, Bootstrap, JSON, Ajax**for creating Responsive Web pages.
* Involved in developing components on Reporting Dashboard with **Spring MVC, Spring Framework and Hibernate.**
* Used Annotations on all the layers of application development in spring to wire the components.
* Involved in development of presentation layer using **JSP and Servlets** with Development IntelliJ.
* Involved in developing code for obtaining bean references in spring framework using **Dependency Injection (DI) or Inversion of Control (IOC)** using annotations.
* Designed several types of controllers needed for **services, utilities, helpers** and other classes and packages including business logic handlers.
* Creating Typescript reusable components and services to consume REST API's using Component based architecture provided by **AngularJS** and Used Webpack to build **Typescript** modules.
* Application backend implemented using **NodeJS** application server.
* Responsible for making responsive web pages using **Bootstrap** and **Media queries.**
* Deploy and maintain various **EC2 instance** types on **AWS** with automated storage **on S3 buckets.**
* Developed **jQuery** methods to support the dynamic nature of the web-site elements.
* Used **Gulp** as a build tool to automatically compile and bundle the code.
* Designed and developed **RESTful** web-service based on **JAX-RS** and **Spring** framework
* Configured and deployed the application using **Tomcat and Web Sphere**.
* Worked with **maven projects, groovy, Junit test cases, Hibernate** for backend SQL processing.
* Created build scripts **using Maven** by adding dependencies in pom.xml.
* Configured connection pools and involved in problem determination using application and error logs.
* Monitored applications for high operational flexibility.
* Used **Jasper API** code for Downloading various files and reports in the server side.

**Environment:** Java, J2EE, HTML5, CSS3, AngularJs, Bootstrap,JQuery, Spring, Jenkins, Log4J, Restful web service.

**Auto Owners Insurance, MI Sep2015-June2016**

**Role: Java/J2EE Developer**

**Description:** This project developed an Application for Processing Claims and Payments to the customers. The Application had the facility to gather information from different work parties including the customers, banks, repair facilities, etc. for the claim processing. The Work Users get them in workbasket, and they process to the manager for the further approval of claim. The Application’s Assignment routes the work object to the automatic decision or manual decision based on the information provided by clients.

**Responsibilities:**

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* Analysis, design, and development of application based on **J2EE** using **Spring** and **Hibernate.**
* Developed and designed the front end using **HTML5, CSS3, and JavaScript** with **AJAX** and **tag libraries**.
* Used **spring framework** for Dependency Injection (IOC), **Model View Controller** (MVC) and integrated with **Hibernate framework.**
* Developed **web services** using **HTTP, REST** and **XML technologies**
* Experience in **CSS media queries** for responsive web design
* Integrated Spring DAO for data access using **Hibernate** to implement CRUD operations against database. Involved in implementing application using **Spring MVC framework**.
* Used **JSON** for real time browser to server communication.
* Configured and used **Maven scripts** to deploy application in server.
* Developed web pages using **JSP Tag Libraries, HTML**and **jQuery**.
* Wrote **client-side validations** using **JavaScript**.
* Designed and developed **RESTful** web-service based on **JAX-RS** and **Spring** framework
* Setting up an environment, configuring an application and deployment in **Apache Tomcat** Application Server.
* Used **Log4J** to print the logging, debugging, warning info on the server console.
* Designed, developed, and implemented document transformation applications using **XML** tool.
* Used **DOM** parsing methodology for serializing and parsing the XML request and response.
* Developed unit test cases and functional test cases using **JUnit**.
* Used **GIT** as version control system.
* Used **Log4J** to print the logging, debugging, warning info on the server console.
* Developed unit test cases and functional test cases using **JUnit**.

**Environment:** Java, J2EE,Spring, Hibernate, HTML5, CSS3, Bootstrap, jQuery, JQUERY, JSON, Maven, JUnit, GIT.

**V Soft tech, Hyderabad, India June 2013 – Dec 2014**

**Role: Core Java Developer**

**Project:** The project is to design and implement web applications and develop concise & clear technical design documents based on analysis of business requirements.

**Responsibilities:**

* Involved in designing Class and Sequence diagrams with UML and Data flow diagrams.
* Developed **Use Cases**, **Class Diagrams**, **Sequence Diagrams** and **Data Models** using **Microsoft Visio**.
* Worked on the **Java Collections API** for handling the data objects between the business layers and front end.
* Worked on server-side implementation using Struts **MVC** framework.
* Developed **JSP’s** with **STRUTS** custom tags and implemented JavaScript validation of data
* Developed programs for accessing the database using **JDBC** thin driver to execute queries, prepared statements, Stored Procedures and to manipulate the data in the database.
* Used **JavaScript** for validating the Front-end Web pages
* Written **SQL code blocks** using cursors for shifting records from various tables based on checks
* Written **procedures** and **triggers** for validating the consistency of metadata.
* Used **AJAX** to make the **RESTful** web service calls.
* Developed Message Driven Beans for asynchronous processing of alerts.
* Used IBM ClearCase for source code control and **JUNIT** for unit testing.
* **Log4J** used as logging framework.
* Application versions were managed by **SVN**.
* Followed coding and documentation standards

**Environment:** Java, JSP, Struts MVC, Oracle 10G, SQL, PL/SQL, JBOSS, JUnit, SQL Developer, Ajax, MAVEN, Eclipse, SVN, Log4j, REST.

**EDUCATION:**

Bachelors in Electronics and communications from JNTUH, Hyderabad, India. May 2013

Masters in computer science from Kent State University, KENT, OH, USA.