

G.S. KUMAR

Java Developer

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Career Objective:

To build an innovative career, effectively contribute as a software professional, and add value to an organization both technically and culturally.

Professional Summary:

- Over 6+ years of extensive IT experience in all phases of **Software Development Life Cycle (SDLC)** which includes development, design, analysis, testing and integration of various web based and **client/server applications** in multi-platform environments with JAVA/J2EE technologies.
- Experience in developing applications using **SDLC** methodologies like **Waterfall, Agile (TDD, SCRUM)** and **Test-Driven Development**.
- Utilized **Java 8** features like **Lambda Expressions** and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
- Experience in developing and deploying applications on **Cloud Platforms** like **Amazon Web Services**.
- **Spring Data JPA** using **Hibernate** and **Java Configuration with Annotations**.
- Managed **Amazon Web Services** like **EC2, S3 Bucket, Auto-Scaling, Dynamo DB, Elastic search, Virtual Private Cloud (VPC)** through AWS Console and API Integration.
- Excellent in data technologies such as **Cassandra** and **PostgreSQL**. Experience with MongoDB, Zero MQ.
- Excellent in developing **REST** and **SOAP** based **Web Services** using **JAX-RS, JAX-WS, WSDL, JAX-B, Apache Axis, Apache CXF** and **Jersey** frameworks.
- Extensive experience in design and development of multi-tier applications using Java, J2EE, **Spring boot, Spring Cloud, Spring MVC, Hibernate**, Web service XML, **SOAP, WSDL, REST, HTML, JavaScript, Action Script, AJAX, Junit Adobe Flex, and Flash**.
- Experience using **Hibernate** for mapping Java classes with database and using **Criteria API** and **Hibernate Query Language (HQL)**.
- Expert in **Core Java** and implementing concepts like **Multithreading, Concurrency, Exception Handling, File handling, IO, Generics and Java collections** in various projects.
- Extensive experience in web technologies such as JavaScript, Ajax, Action Script CSS, and HTML, **Node.js, Angular** with webpage **cross browser compatibility**.
- Actively involved in the **DevOps** streamlining process through **Jenkins CI** and **CD Release Automation**.

- Proficient in writing **SQL queries, PL/SQL stored procedures, Triggers** and **creating business tables**.
- Created and consumed **Micro Services** based on **Web API**.
- Have extensive experience working on **Windows, Linux, and UNIX** Operating Systems.
- Having good working experience on **Web Servers** and **Application Servers**.
- Ability to work effectively in **cross-functional team environments** and experience of providing training to business users.
- Experience with **containerization (Docker)**.
- Experience in designing and implementing advanced **automation pipelines with Jenkins**.
- Experience working with scripting languages (**Bash, PowerShell**).

Professional Experience:

- Currently working as **Sr. Software Developer** in **Wipro**, from July 2022 to Present.
- Worked as Consultant in **Virtusa**, from June 2021 to June 2022.
- Worked as Software Engineer in **Mind Tree**, from December 2019 to June 2021.
- Worked as Consultant in **Cognizant**, from June 2017 to November 2019.

Technical Profile:

Java/J2EE Technologies: Microservices using **Spring Boot, Spring Cloud**, Servlets, JSP (EL, JSTL, and Custom Tags) Apache Struts, Junit, Hibernate 3.x, spring 2.0/3.0, JDBC, RMI, JMS, JNDI, Log4J Java Beans, and JSF.

Web Technologies: XML, XSL, XSLT, SAX, DOM, CSS, Java Script, HTML, Angular, and Bootstrap, Web services (SOAP)

Cloud Technologies: **Amazon Web Services** (EC2, SQS, RDS, IAM, S3), Pivotal Cloud Foundry and Spring Cloud.

Programming Languages: C, C++, Java, SQL, PL/SQL, Oracle

Database Technologies: Oracle 11g/12c, Lotus Notes, MySQL, and MongoDB.

Kafka Servers: Kafka brokers, zookeepers, KSQL, KStream and Kafka Control Center

Kafka Frameworks : Json Converters and String Converters.

Kafka Connectors: MQ Connectors, JDBC Connectors, MS Source Connectors.

Project Details:

Project #1:

Client:	Master Card
Team Size:	18
Role:	Software Developer
Duration:	July 2022 to Present

Responsibilities:

- Implemented **SLF4J log back for Email trigger** if any issues found in the logs it will trigger the email alert to support Team.
- Implemented **Redis Server for Spring Boot Web Applications for caching.**
- Implemented **Swagger in all Spring Boot Applications for business user quick access for the APIs.**
- Implemented **Cloud Configuration Server to avoid all the DB calls** for key and values in all Spring Boot Applications.
- **Converted SOAP to Rest Service for Critical Services.**
- Implemented **OAuth2 token Authentication through code** for external endpoint access.
- Successfully pushed the first application to **Pivotal Cloud Foundry after resolved all the technical issues** and provided guidance to all the team members.
- Implemented **Hibernate Named Queries and JPA repositories.**
- Resolved **DB connection Leaks for DB Connection Time out issues.**
- **Migrated Java 1.5 to Java 1.8 from Legacy Application to Modernization.**
- Successfully **converted Ant Build to Gradle Build, Maven Build** and resolved all the build issues to compile the project using Gradle Build and Maven Build without any issues
- **Removed Application Context XML files** and converted to Java Beans based on the use of application.
- Managed whole application end to end with customer as **onsite technical project coordinator.**
- **Maintained GIT workflows for version control (Source Code Management).**
- **Developed and maintained automated CI/CD pipelines for code deployment using Jenkins.**
- Implemented and **improved monitoring and alerting.**
- Built and maintained highly **available systems on Kubernetes.**
- Implemented and **managed CI/CD pipelines.**
- Implemented an auto-scaling system for our Kubernetes nodes.
- Managed build **environments (Docker, Ansible)**
- Ran development, stage and production environments and deployments.
- Resolved team **blockers for critical unknown issues.**

Project #2:

Client : **Google**
Team Size: 15
Role : Software Developer
Duration : June 2021 to June 2022

Responsibilities:

- Worked on **Application Modernization to Re-platform on Cloud Open Shift platform.**
- Implemented **REDIS Cache** with Spring Scheduler for ADS Cache Manager.
- Implemented **Jenkins Pipeline** to Open Shift Cloud platform with Devops.
- Implemented a **Search Algorithm** on the list page that returns the search response with product details in less than 30 milliseconds.
- Hands-on experience in developing integration with **Elastic search** in any of the programming languages like **JAVA** and **JavaScript**. Knowledge of advanced reporting using **Elastic search**.
- Used **Java8** features like stream and Lambda expressions.
- Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** new features like default, static methods, and Concurrency API.
- Good knowledge on working with OAUTH2.0 to provide authentication and authorization to Rest services by exchanging Access tokens.
- Developed Kafka consumer's API in Scala for consuming data from Kafka topics.
- Good knowledge of oops concepts.
- Used Core Java technologies, including Entity and Session Beans, Serialization, Generics, Annotations, and Exception Handling, to construct back-end business logic.

Project #3:

Title: **GCAS (GLOBAL CORPORATE ACTION SYSTEMS)**
Client: **State Street Bank and Trust Company**
Team Size: 15
Role: Developer
Duration: December 2019 to May 2021

Project Description:

Fully monitor the corporate actions process with a flexible set-up of daily workflows, notifications, and comprehensive coverage of global corporate actions. Incorporate a back-end financial operation which acts as a backbone of the System and a web enabled front-end Interface for the Clients. It supports end to end processing of corporate actions with rule driven processing making it user friendly and effective.

Our corporate actions management solution enables you to keep track of corporate action events, simplify

maintenance of the workflow and notify the corporate actions team, as well as internal and external portfolio managers, when action is needed. Necessary scalability to address challenges from the ever-increasing volumes of corporate actions characterizing today's global financial markets.

Responsibilities:

- Worked to convert a **Monolithic App to Microservices Architecture using Spring Boot** using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various **Microservices in PCF**.
- Implemented **REST Microservices using Spring Boot**. Generated Metrics with method level granularity and Persistence using **Spring AOP and Spring Actuator**.
- Implemented **Zipkins** for distributed **Micro Service Monitoring**. Integrated Swagger UI and wrote integration test along with REST document.
- Implemented a **Search Algorithm** on the list page that returns the search response with product details in less than 30 milliseconds.
- Developed the view-controller components using **JSPs, HTML5, CSS3, AJAX, JavaScript (jQuery), and Angular 5.0**.
- Implemented **routing logic and navigation** from screen to screen and implemented login functionality on the client side in **AngularJS**.
- Hands-on experience in developing integration with **Elastic search** in any of the programming languages like **JAVA** and **JavaScript**. Having knowledge of advance reporting using **Elastic search** and **Node JS**.
- Used **Java8** features like stream and Lambda expressions.
- Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** new features like default, static methods, and Concurrency API.
- Used **Java 8 Method References** feature to point to methods by their names and used **functional Interfaces**.
- Used Spring configuration server for centralized configuration and **Splunk** for centralized logging. Used Concourse and **Jenkins for Microservices deployment**.
- Utilized **Spring AOP** for solving crosscutting concerns like keeping logged data and transactions details etc.
- Processed large amount of data like transaction management, job processing, resource management and logging using **Spring Batch**.
- Used Hibernate ORM framework as persistence engine and wrote **Hibernate Queries** to automate the mapping between Oracle database and **Objects in Java**.
- Involved in writing **SQL** and **Stored Procedures** for handling complex queries with help of **TOAD** and accessing them through Java Programs from **Oracle Database**.

- Responsible for creating an instance on **Amazon EC2 (AWS)** and deploying its application.
- Hands-on Coding to build **REST Micro Services** using **Spring Cloud, Oracle, JSON, Spring Config, Cloud Foundry and Jenkins**.
- Installed, secured, and configured **AWS Cloud Servers** and **Amazon AWS** virtual servers (Linux).
- Designed and developed **Micro Services** business components using **Spring Boot**.
- Worked in using SDLC tools like **GIT, Jira, Jenkins, and Maven** for Build packaging and deployments of the application components.
- Involved in documentation and analysis of **postproduction issues**.
- Worked on **Bug fixing** and enhancements on **change requests**.
- Led the technical team and mentored other developers.

Project #4:

Client: JP Morgan
 Team Size: 10
 Role: Developer
 Duration: June 2017 to November 2019

Responsibilities:

- Worked on high-level and low-level system design, planning, estimation, and implementation.
- Developed presentation layer using **JSP, JSF, HTML5, CSS3** and client validation using **JavaScript, DOM**.
- Used two-way data binding features of **AngularJS** to implement Data binding to bind various server controls to the data from database.
- Implemented animation and styling using **CSS3** and **jQuery**.
- Involved in writing **JSP** and **JSF** components. Used **JSTL** Tag library to create standard dynamic web pages.
- Used Web Services for creating rate summary and used **WSDL** and **SOAP** messages for getting useful plans from different modules.
- Implemented **Multithreading, Concurrency, Exception Handling and Collections** whenever necessary.
- Designed and integrated the full-scale **spring / Hibernate** persistence solution with the application architecture.

- Implemented **Object Relational Persistence** (Hibernate) for the domain model.
- Involved in design and development of the **Hibernate Domain Model** for the services.
- Worked on **Web services** and associated business modules integration.
- Worked on development and implementation of the **MVC** Architectural pattern using **Spring Framework** including **JSP**, and **Servlets**.
- Involved in identification and implementation of different **J2EE design patterns** like **Service Locator**, **Business Delegate**, and **DAO**.
- Worked in wide-area network to maintain all the device related data onto **MYSQL** database.
- Developed generic Web service architecture using **Spring Web Services**, **JAXB**, and Hibernate which **transformed responses into SOAP, REST, & JSON**, allowing for rapid development and clean separation of core business logic and communication protocol.
- Completed Issues Analysis and prepared documentation.
- Architect the project design and functionality, a pre-requirement for Application Analysis.
- Experience in **writing DAO using Hibernate** and Hibernate mapping files.
- Used **ANT automated build scripts** to compile and package the application and implemented Log4j for the project.
- Coordinated efforts with offshore development team to ensure code quality. Performed **code reviews**, team training, and code refactoring to maintain quality standards.
- Implemented **Dynamic Menu loading** based on assigned users to respective modules and related tasks.
- Involved in Maintenance and Enhancements for the project.
- Worked on **Data Grid with Pagination** for the application.
- Involved in developing the Screen design using **Ajax, JavaScript, and jQuery** Components.
- Completed Issue Analysis, **Unit Testing**, **Bug Fixing**, And Manual Testing of Application.