PRAKASH KOJU

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JAVA DEVELOPER

Motivated Software Engineer with above 5+ years of hands on experience developing, testing, and deploying new software systems and application. Ensure optimal performance by testing, debugging, and maintaining applications. Skilled in implementing Java, Spring, JavaScript, CSS, AJAX, MySQL, MS SQL, PL/SQL Docker, RESTful API with deep knowledge of SOLID principle, algorithms, and design patterns.

Java Programming • Data Structure and Collections • Software Development Life Cycle
Testing / Debugging • Technical Documentation • Root Cause Analysis • Code Review

Languages: Java, C++, C, PL/SQL
Web: HTML5, CSS3, Bootstrap, AJAX, jQuery, JSP, Thymeleaf, Servlet, Bootstrap, JavaScript, JSON, XML
Web Services: REST, SOAP
Web/App Servers: Tomcat, Weblogic, WidlFly (Jboss)
Frameworks: Spring Framework, ORM – Hibernate, JPA, Spring MVC
Databases: MS SQL, MySQL, MongoDB, H2, Oracle
Design Patterns: Factory, Singleton, Iterator, Facade
SDLC: Waterfall, Agile/Scrum, RAD, RUP
Tools and Technologies: Maven, Git, Spring Tool Suite, Eclipse, NetBeans, Visual Studio Code, Postman, Docker, Swagger, IntelliJ, JIRA, RALLY, MySQL Workbench, JUnit, Mockito, AWS, Jenkins, SonarQube, SQL Developer, Toad, Oracle.

PROFESSIONAL EXPERIENCE

Cubic Technologies Inc., Irving, TX • November 2019 – August 2020
Consulting and Staffing company
Software Developer, Java (Verizon, TX)
Implemented Java, Spring Boot and SQL to develop and maintain all functionalities of application.
Tasks Performed:

- Developed business components using Spring Boot, Spring Dependency Injection and Spring MVC.
- Used Microservices architecture, with Spring Boot-based services interacting through a combination of Rest and **Spring Boot**.
- Developed Microservices to communicate using synchronous protocols HTTP and REST. Exposing the **Microservices** based on Restful API utilizing Spring Boot with **Spring MVC**.
- Developed build and deployment scripts using Maven as build tools in Jenkins to move from one environment to other environments.
- Responsible for configuring **Continuous Integration** Server i.e. **Jenkins and SonarQube**.
- Developed Java Spring Boot modules that can interact with **AWS** service to update the documents.
- Added microservices to support new features in existing web application (ICON)
- Refactored codes and unit tests to ensure code quality, security, and test coverage using SonarQube, **JUnit** and **Mockito**.
- Written codes following test driven design pattern (**TDD**) for new features.
- Developed **stored procedure**, **function**, **triggers**, and sequence using **PL/SQL**.
- Developed UI screens for new application features using **Angular** components, templates and services.
- Used Log4j along with Splunk for logging error/debug messages and managing them.
- Debug existing codes to resolve issues related to telemetry, and inventory consolidation.
- Analyzed and updated data in Oracle to expedite IT support for end users ensuring the expected resolution.

Technologies Used: *Java8, Spring Boot, Spring Framework, Kafka, Angular, Apache Tomcat, Apache Log4j, PL/SQL, Oracle, Maven, GitLab, JUnit, Swagger, Postman, SonarQube, Jenkins*

ENDEAVOR PVT LTD, Pulchowk, Lalitpur ● June 2017 – November 2018

Software development company

Software Developer (Remote)

Leveraged Java, Spring Boot and JavaScript technologies to develop an application on a freelance basis.

Communicated directly with clients on requirements, project status and progress.

Tasks Performed:

- Analyzed and designed workflow architecture for cafeteria and order management based on different consumer groups
- Developed application using Spring MVC, Maven build tool and with war packaging.
- Involved in creating the Hibernate POJO Objects and mapped using Hibernate Annotations.
- Designed and developed web application incorporating MVC architecture using spring boot.
- Developed responsive UI using Servlets, HTML, CSS, JSP, and JavaScript with back-end integration.
- Provided ORM mappings using Hibernate to map java classes with MySQL database tables to access data.
- Implemented Java REST APIs with a focus on building quality features using agile methodologies.
- Worked with JMS API for sending and receiving messages between 2 or more consumers.
- Worked on performance tuning and memory management using JProfiler tool.
- Created the online application by using Core Java, JSP, Servlets, Web Services, SOAP, and WSDL.
- Followed Singleton, factory design pattern, DAO Design Patterns based on the application requirements.
- Implemented DAO layer using JPA (Hibernate framework) to interact with the database.
- Responsible for testing controllers with Unit Test Cases & test the Service layer using Integrated Test Cases.

Technologies Used: *Java, JavaScript, AJAX, Bootstrap, HTML, CSS, Spring Boot, Spring Security with JWT, Apache Tomcat, MySQL, Maven, GitHub*

CROSSOVER NEPAL, Kupondol, Lalitpur • Jan 2015 – Jan 2017

Software development company.

Software Developer

Designed and maintained software and applications.

Tasks Performed:

- Developed web layer using Struts framework to manage the project in MVC pattern.
- Developed business layer using EJB stateless session beans and deployed on Application server (Web logic)
- Performed Tuning, load balancing and optimization of WebLogic Application Server
- Developed Spring Beans and configured spring using applicationContext.xml.
- Assisted Database Developers using MSSQL and TSQL for managing data associated with the tables.
- Used Spring Data JPA for entity management and data manipulation.
- Configure Hibernate with Spring ORM as part of spring and Hibernate Integration.
- Implemented a multi-user web application using JSP, Servlet, JDBC, & Hibernate to provide functionality.
- Integrate Web Services and Legacy Systems using SOAP and Rest (Using Axis and Jersey frameworks).
- Generated DAO's to map with database tables using Hibernate. Used HQL (Hibernate Query Language) and Criteria for database querying and retrieval of results.
- Involved in J2EE Design Patterns such as Data Transfer Object (DTO), DAO, Value Object, and Template.
- Used Log4J, JUnit for debugging, testing and maintaining the system state.
- Wrote JUnit Test cases for Spring Controllers and Web Service Clients in Service Layer using Mockito.

- Created Rest web services using JAX-RS, Hibernate framework.
- Used Dojo toolkit to construct Ajax requests & build dynamic web pages using JSP, HTML, JavaScript
- Developed many JSP pages, used Dojo in JavaScript Library, jQuery UI for client-side validation.

Achievement:
- Implemented and followed best practices for software development.
- Recognized as Best Newcomer of the Year.

Technologies Used: *Java, JavaScript, JSP, MS SQL, HTML, AJAX, jQuery, CSS3, Spring Boot, Maven, Weblogic*

SANCHAYA STAFFING SERVICES NEPAL, Kumaripati Lalitpur • Jan 2013 – Jan 2015
Outsourcing company providing wide range of software services.

Software Developer
Contributed to all phases of software development life cycle for applications.

Tasks Performed:
- Developed RESTful API to integrate with other internal business groups like finance, public relation etc. to support e-Bidding and electronic invoicing with respect to bill of quotation.
- Train salespeople and new members service solution department to support business development and sales strategy.
- Designed and Developed different web services for booking engine and integrate with third party application services.
- Implemented SOAP/REST API to get flights and reservation information using third party API.

Achievements:
- Improved application efficiency through Spring modules such as Core, JDBC, and AOP.
- Applied J2EE design patterns like Factory, Singleton, and MVC.
- Built and integrated complex RESTful web services for application consumption.

Technologies Used: *Java, JavaScript, JSP, MS SQL, HTML, AJAX, jQuery, CSS3, Tomcat, Spring Boot, Postman*

ACADEMIC PROJECTS

MUMDormApp, Maharishi University of Management (2019): Created web application as part of 4-member team to enable eCommerce for on campus students, integrate separate microservices through RESTful APIs, and manage payment through PayPal. ***Technologies Used:*** *Java, Spring Boot, Spring Data JPA, Spring Security, REST, Microservices, Spring MVC, MySQL, JSP, HTML, CSS, Bootstrap, Postman, IntelliJ.*

Hotel Smart Reservation System, Maharishi University of Management (2019): Designed Java web application with room and member crud functions, explore, reserve, check-in/out, and reviews. ***Technologies Used:*** *Java, Spring Boot, Spring Data JPA, MVC, MongoDB, Thymeleaf, HTML, CSS, Bootstrap, IntelliJ.*

MUM Recreation Center, Maharishi University of Management (2019): Developed Java desktop application including members and resources crud functions, search, check-in/out, and registration. ***Technologies Used:*** *Java, VS Code, JSP, JavaScript, jQuery, AJAX, Servlets and Filters, Bootstrap, MySQL, VS Code.*

InstaMUM, MUM (2019): Created Instagram-like social media web application with team of 4 students. ***Technologies Used:*** *Java, Eclipse JEE, HTML, Thymeleaf, JavaScript, jQuery, AJAX, MVC, Spring Boot, Spring Security, Bootstrap, MySQL, VS Code, Swagger, Docker.*

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion October 16, 2021)
Maharishi University of Management, Fairfield, Iowa

Key Courses: *Modern Programming Practices, Web Application Programming, Algorithms, Enterprise Architecture, Software Engineering*

Master of Business Administration
Pokhara University, Ace Institute of Management, Kathmandu, Nepal
(2012-2017)

Bachelor of Engineering in Electronic and Communication Engineering
Purbanchal University, Khwopa Engineering College, Bhaktapur, Nepal
(2005-2010)