

Sagun Maharjan

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Objective: Highly-motivated, hardworking, detail-oriented and visionary Full Stack Java Developer with providing quality analytical and technical solutions on the domain of Retail and education sector using latest tools and technologies. I believe that I have the confidence needed to accept any challenges in any domain.

EDUCATION

Bachelor of Science in Computer Science, University of Louisiana Monroe

Professional Summary:

- A dedicated professional with **3+ years of experience** in Software development specializing in **Software Analysis, Object Oriented Analysis & Design, Implementation and Testing Java / J2EE and web technologies.**
- Well versed with **Agile methodologies, Scrum framework** and all phases of **software development life cycle** in client server environment, Object Oriented Technology and Web based applications.
- Proficient in **DBMS Design**. Worked on databases like **Oracle, MySQL, NOSQL- MongoDB, DB2, SQL Server, Cassandra, and PostgreSQL**
- Dexterity in building web technologies using **HTML, PHP, XML, CSS, AJAX, JavaScript, JSON, JQuery, Node.JS and Angular.**
- Expertise in Design and Development of enterprise applications using **Java/J2EE** technologies including **JSP, Servlets, Struts, Spring, Hibernate, JPA, EJB, JMS, MDB, JDBC, JNDI, JSTL, AWS JAX-WS, JAX-RS, JSON web tokens and Web Services.**
- Highly experienced in designing and implementation of Web Based, Responsive web Design and Client/Server applications using **Spring Framework, ORM Framework (Hibernate and JPA), Web Services and JSF.**
- Expertise in implementing **RESTful Web Services.**
- Composure and hands-on experience with build tools like **ANT and Maven.**
- Good understanding of **Test Driven Development (TDD)** Environment and **Service Oriented Architecture (SOA)** and **knowledge of Amazon Web Services.**
- Coordinating with the QA team, and resolving the QA defects.
- Excellent client relation skills and the drive to complete tasks effectively and efficiently where customer services and technical skills are demanded as well as the ability to communicate effectively with all levels of management and the client community.

Technical Summary:

Languages	Java, Python, PHP, J2EE, XML, HTML, CSS, JavaScript
Java Technologies	Servlets, JSP, JSTL, Spring, Hibernate, JPA, Struts, AJAX, JSON, EJB, JMS, Apache ActiveMQ, JNDI, MDB, JAXP, JAXB, JDBC

Frameworks:	Struts, Spring IOC, Spring AOP, Spring MVC, Spring Batch, ORM, JSF, Node.JS, Angular, JQuery, Expressjs, React, CodeIgniter, Spring MVC, Spring Boot, Drupal, Wordpress, Selenium, Bootstrap
Web Services	SOAP(JAX-WS) and RESTful (JAX-RS) Web Services, AWS (EC2, Elasticbeanstalk, S3)
Development Tools	Eclipse, NetBeans, Ant, Maven, Microsoft Visio, Log4j, CXF, Jenkins, Gradle, SoapUI, JUnit
Designing Methodologies	MVC, DAO Pattern, Business Delegate and Singleton Pattern, UML, Agile, XP Methodologies, Scrum, Extreme Programming
Web/Application Servers	Nginx, WebLogic, WebSphere, Apache Tomcat, JBoss
Databases	Oracle, Cassandra, PostgreSQL, PL/SQL, MySQL, MongoDB, DB2, SQL Server, Elasticsearch
Version Control System	SVN, CVS, GIT, Bitbucket
Templating Engines	Jade, EJS, Handlebars, Twig
Data Visualization	D3.js, Numpy, pandas, Oracle APEX, Oracle Pulse
Designing Tools	Autodesk 3d Studio Max, Autodesk AutoCAD, Adobe Creative Suite
Operating Systems	Linux (Ubuntu, CentOS, Raspbian, Redhat), Windows Server 2012 R2

Professional Experience:

Client: ULM Computing Center, Monroe, LA

Feb 2017 – Present

Role: Full Stack Java Developer

Description: ULM Computing Center provides the capability for complete tracking and reporting of University activities and events. It specializes in providing a wide variety of computing and network services for faculty, students, and administration. The web programming team is responsible for designing and implementing many of the interactive web applications on campus including the University website and the ULM mobile app.

Responsibility:

- Involved in various **Requirements and Design** of the application and active involvement in many aspects of the software development lifecycle adopting **Agile** Software Development Methodology.
- Involved in designing **UML** case diagrams, class diagrams, and activity and sequence diagrams.

- Participated in semi-weekly status updates with management to discuss progress and concerns.
- Involved in the **GUI** development for implementing new **JSP** pages.
- Developed Front-End using **HTML**, **JSP**, and **JavaScript** and **CSS** technologies.
- Work closely with Business users/product customers to understand the **business requirements**.
- Involved in various Software Development Life Cycle (**SDLC**) phases of the project.
- Generated Use Case Diagrams, Class Diagrams, and sequence diagrams using **Rational rose**.
- Develop new **REST services**, parsing XML based configurations for new feature requests for the product.
- Developed various **EJB** Components to fulfill the business functionality.
- Extensively used Hibernate in data access layer to access and update information in the database.
- Implemented various design patterns in the project such as **business Delegate**, session facade, **data transfer object**, **data access object**, and singleton.
- Designed various tables required for the project in **SQL Server** database and used stored procedures and triggers in the application.
- Used **Ant Scripts** to build and deployed on **WebSphere** application server.
- Monitored the error logs using **Log4J** and fixed the problems.
- Used **Spring AOP** for transaction management and developing advices for various cross cutting.
- Used Hibernate **object relational mapping** on the database schema.
- Integrated off the shelf devices using **Java Communications API**.
- Updated the layout of the university's homepage and other subpages to support full **mobile responsiveness**.
- Sanitized personnel directory of employees and students of using **python3**, **MySQL**, and **Selenium** module.

Environment: Java, Spring Boot, Angular, JSP, JSF, Hibernate, J2EE, WebSphere Application Server, Web Services, Manual Tester, XML, SQL Developer, PL/SQL, Oracle database, Drupal, PHP, JS, CSS, Log4J, Selenium, SQL server, MySQL

Internships:

Client: Pearson PLC, Morrisville, NC

Jun 2018 – Aug 2018

Role: Software Developer Intern

- Developed the single sign-on dashboard integrated with the Pearson cloud system using Oracle APEX, and D3.js libraries generating the reports for supply chain, release management and ServiceNow and Oracle EBS systems.
- Deployed real time visualization portal for global visibility into Key Performance Indicators (KPIs) that describes the health of operations support, risks, upcoming major events like key project releases, disaster recovery trials, environment management strategy enabling the stakeholders to tackle issues before the customers raise a ticket.
- Participated in all phases of Software Development Life Cycle from requirements gathering to production systems using tool - Kintana following the Agile's Extreme Programming methodology.

Client: Open Learning Exchange, Cambridge,

Jun 2015 - Aug 2016

Role: Remote Virtual Software Engineering Intern

- Collaborated with the team of 48 members using Git, GitHub, and Gitter improving the e-learning software (Bell Apps).
- Wrote automated selenium test cases in python 3 troubleshooting 40% of bugs in the UI components of the Bell Apps.
- Tested Raspberry-Pi servers with Vagrant and accurately predicted the threshold traffic load of the servers.

Honors and Awards

- University of Louisiana Monroe, President's List and Dean's List
- ULM Emerging Scholar Award (\$400 stipend for a standalone computational physics research project)
- Microsoft Certified Professional (MCP) and Adobe Certified Expert (ACE)

Side-Projects

- <http://ulmspider.co.nf/> - Scrapped the universities personal directory to create an interface for rating and commenting profiles.
- <http://ulmesp.co.nf/> - Automated the planetary telescope to take pictures and upload it in the web server using python script.
- <http://studentsubmission.16mb.com/> - Interface to submit the assignments and paper which is directly mailed to the admin.