**NAWA ACHARYA**

Fairfield, Iowa ● 52557

641-225-5070 ● [nawa.acharya04@gmail.com](mailto:nawa.acharya04@gmail.com)

<https://np.linkedin.com/in/nawa-acharya>

**JAVA/JEE DEVELOPER**

**Professional Summary**

**Java/JEE** developer with 4 years of professional experience designing web and enterprise applications on education, tourism and hotel business domain with involvement on end-to-end software development. Proficient code analyst, troubleshooter and problem solver who keenly identifies software issues and bugs to ensure optimal functionality. Developed several enterprise and web applications using frameworks and design patterns while implementing RESTful web services successfully. Well versed with Back end, Middle tier, front end and UI Development. Expertise in implementing Object oriented analysis and design and avid follower of SOLID principles. Enthusiastic in fulfilling commitments, keen to learning and ability to integrate into a team seamlessly. Strong interpersonal and communication skills and proven success to deliver the tasks in time.

● Java Programming ● Enterprise Application Development ● Software Engineering ● Front-End & Back-End Programming ● Web Services ● Unit Testing ● Troubleshooting & Debugging ● Continuous Integration

**Languages:** Java, C++, C

**Web:** HTML5, CSS3, JavaScript, jQuery, AJAX, AngularJS, XML, JSP/Servlets, JSF, Bootstrap, Grunt

**Web Services:** RESTful, Jackson, SMTP, JSON

**Web/App Servers:** Tomcat, JBoss, Wildfly

**Frameworks:** Spring (Spring MVC, Spring Web flow, Spring Security, Spring Oauth2, Spring AOP), Spring Boot, Hibernate, Primefaces

**Databases:** MySQL, MS SQL, Oracle

**Design Patterns:** MVC, Singleton, Proxy, Callback, Factory, Composite, Facade, Observer, Template

**SDLC:** Agile-Scrum, Iterative, Waterfall

**Tools:** Eclipse, STS, Intellij IDEA, Maven, Jenkins, Bower, Log4j, Git, RabbitMQ, Junit, Mockito, Jersey, Cloud Foundry, Visio, Star UML, Brackets

**Platforms:** Windows

**PROFESSIONAL EXPERIENCE**

**RENEKTA SOLUTIONS PVT. LTD, Banepa-10, Nepal June 2012 - January 2016**

Software Development Company specializing in development of enterprise and web applications.

**Java Developer**

* End-to-End software development assuring quality design performing **Test Driven Design**
* Design and develop enterprise applications being active on **back-end, middle-tire, front-end** and **UI Development**
* Development of modules according to **JEE/J2EE** standards (Client, Web and Business-tier)
* 3rd party **API** integration
* **Continuous Integration** to production with **Maven, Git** and **Jenkins**.
* **UI Development** using **HTML5, CSS3, Bootstrap, jQuery** and **JavaScript**
* Server side web development using **JSP/ Servlets** and **JSF** using **Primefaces** framework.
* Implement **RESTful web services** using **AngularJS** on front-end, **Spring framework** on Middle tire and integrating **Jersey API**
* Provide highly authenticated and authorized applications using **Spring Security** and **Spring Oauth2**
* Develop enterprise applications using entire **Spring Framework** for middle tier and **Hibernate framew**ork for **ORM**
* Work on all phases of **SDLC** implementations including analysis, design, development, testing, maintenance and code-refactoring
* Database design of **MySQL** and **Oracle**
* Use **Design patterns** to develop robust applications with optimal functionality
* Work on network tier using **SMTP, FTP** and **RESTful**
* Analyze JEE applications, test, extend and provide documentation
* Provide technical guidance and support to the clients
* Perform **unit testing** using **JUnit** and **Mockito** framework
* Work on **SCRUM** environment and assist to clarify any details
* Writing queries, stored procedures **(T-SQL, PL/SQL)** on **MySQL, MSSQL** and **Oracle** databases
* Identify project risks and work effectively to mitigate them.
* ***Technologies used include:*** *Java, HTML5, CSS3, JavaScript, AngularJS, Bootstrap, Spring, Maven, Hibernate, jQuery, javascript, JSP/Servlets, AJAX, JSON, XML, MySQL, Tomcat, JBoss, IntellijIDEA, eclipse, Jenkins, Git, Windows, Junit, Mockito, RabbitMQ, log4j, MySQL, Design patterns, RESTful web service, Jersey, SMTP, JSF(with Prime Faces), Scrum, Agile, Oracle.*

**Projects:**

1. **Reservation System** **November 2012 - September 2013**

An ERP system addressing entire hotel management system.

**Business Domain:** Hotel

**Responsibilities**

* Involved in daily stand up and sprint planning sessions as part of AGILE Scrum Methodology.
* Front Controller design and coding
* Create JSON objects to implement RESTful web services
* Use AJAX to communicate JSON objects to server side
* Design middle tier using Spring framework
* Implement authorization and authentication using Spring Security
* Integrate Spring with Hibernate framework
* MySQL database design
* Perform unit testing on service layer using Mockito framework
* Developed the service layer DAO for interaction with MySQL and used Hibernate for the ORM
* Used Log4J for logging and tracing the messages
* Used Git for version control
* Develop Maven project and Eclipse IDE for the development
* Write Stored Procedure and queries on MySQL database
* Perform Continuous Integration using Jenkins

***Tools used include:*** *Java, JEE, HTML5, CSS3, AngularJS, Bootstrap, Spring, Hibernate, MySQL, RESTful Web Services, Tomcat, IntellijIDEA, Junit, JSF, Primefaces, Windows, log4j*

1. **TourDeNepal February 2014 – January 2015**

An enterprise application for managing tours and travels providing detail overviews of places that can be explored as a tourist.

**Business Domain:**Tourism

**Responsibilities:**

* Front controller design using AngularJS
* Develop Single Page Application and design routing
* Develop Java Classes using SOLID principles
* Perform unit testing using JUnit and Mockito framework for service layer
* Use Spring boot for ORM and integrate with MySQL database
* Implement RESTful web services using AngularJS on front tier, Spring framework on middle tier and integrate Jersery API
* Configure Maven project for enterprise applications
* Use Design patterns for optimum functionality
* Use Google Map API to provide location information
* Integrate jQuery UI to provide visual animations for web development
* Use JBoss for server
* Implemented the log functionality by using log4j API
* Follow Agile Development model by directly interacting with business users and product teams, with very quick turn-around time
* Module integrating and bug fixing

***Tools used include:*** *Java, JEE, AngularJS, HTML5, CSS3, AJAX, Bootstrap, Spring, MySQL, RESTful Web Service, Maven, Facade, Factory, Singleton, Template, Composite design pattern, IntellijIDEA, Junit, Maven, Git, Jenkins, log4j, RabbitMQ,*

1. **PathshalaNepal March 2015 – November 2015**

An enterprise application addressing school management system. Provides student information, financial management, classroom management, faculty management, events calendar, library management, student health information and admission management.

**Business Domain:** Education

**Responsibilities:**

* Implement dynamic functionality to web page using JQuery and implemented Asynchronous means of retrieval of data using AJAX
* Participate in the daily Agile SCRUM meetings
* Implement RESTful Web Services using AngularJS in the front-end.
* Consumed Restful web services using Jersey API on middle tier
* Use Postman to test JSON objects
* Used Git for source control repository
* Provide back-end design for the accounting module of school management system using Hibernate for ORM
* Develop DAO (Data Access Object) classes to access data from database.
* Create transactions to perform CRUD operations
* Use Eclipse IDE for application development
* Develop unit cases using JUnit and Mockito framework
* Write queries and store procedure for MySQL data base
* Use Hibernate optimization to optimize response time

***Tools used include:*** *AngularJS, HTML, CSS, Javascript, jQuery, Bootstrap, Spring, Spring Security, Spring Oauth2, Jersey, Junit, Mockito, MySQL, RESTful Web Services, JBoss 7, Eclipse (Luna).*

**ACADEMIC PROJECTS**

* **E-Commerce, Maharishi University of Management:** Created web application e-commerce to facilitate online shopping. Designed front end single page interface to provide graphical view. Implemented RESTful web services using Jersey API, back end tire using using Spring and Spring boot for ORM. Employed RESTful web services while working with RabbitMQ for sending SMTP emails to the client. ***Technologies used include:*** *Java 8, Tomcat 8, AngularJS, Spring, MySQL, RabbitMQ, RESTful Web Services, Spring boot, Spring Tool Suit.*
* **Online Dictionary, Maharishi University of Management:** Developed online dictionary to enable word meaning search. Integrated Thesaurus for vocabulary tutor. Designed UI and worked with JSP/Servlets for back end. ***Technologies used include:*** HTML5, CSS3, Bootstrap, AJAX, jQuery, Brackets, Windows 8.
* **Advanced Traffic Management System (ATMS), Kantipur Engineering College:** Successfully designed a project to automate system to control traffic lights by determining vehicle density while using digital image processing. Created user friendly interface to display traffic lights and real time video surveillance. ***Technologies used include:*** *Java, Tomcat 8, Eclipse, Windows 8, Arduino, HTML5, CSS3, Bootstrap.*

**EDUCATION**

**Master of Science in Computer Science October, 2018**

Maharishi University of Management, Fairfield, Iowa

*(In progress via distance education courses; expected completion 10/12/2018)*

**Bachelor in Electronics and Communication Engineering December, 2014**

Kantipur Engineering College – Tribhuvan University, Lalitpur, Nepal

**AWARDS AND HONORS**

* Outstanding Performance Award, Balodaya English Boarding School, Nepal
* The Laurel of the College, Kantipur Engineering College, Nepal
* Ranked Third in Institute of Engineering, Nepal