

Bimal Parajuli

Raleigh, NC | (641) 451-3043 | STEM OPT EAD (Expires 12/2021)
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EDUCATION & CERTIFICATIONS

MSc, Computer Science, Maharishi University of Management, Fairfield, IA, 2018

BE, Engineering, Gandaki College of Engineering and Science, (Affiliated to Pokhara U.), Pokhara, Lamachaur-16, Nepal, 2014

Adobe Certified Expert – AEM 6 Developer, Nov 2018

Certified Java SE 7 Programmer I, License OC1525510, Oracle Certificate: 1Z0-803, Apr 2016 – Apr 2021

PROFESSIONAL SUMMARY:

- 5+ years of experience in design, development and implementation of web applications using JAVA, Groovy, JS, CSS and HTML.
- Experience in designing, developing and implementing Web Applications using Maven and Gradle build automation systems.
- Implemented all phases of SDLC (analysis, design, development, testing and deployment) and was proficient in gathering user requirements.
- Experience in creating module, component based, Single Page web application with Angular Framework.
- Proficient in taking the design requirements, convert to a reusable component using HTL, CSS, JS.
- Proficient in coding backend with Java to provide data from model to component in HTL using MVC pattern.
- Expertise in AJAX technique to interact with backend in Restful web services, using JQuery to process JSON data.
- Experience with creating templates, pages and full sites in HTML5, CSS3, XML, JQuery, JS, bootstrap, Angular 2, JSP and other front-end technologies.
- Implemented JAVA/J2EE design patterns such as Factory, DAO, MVC, Facade, and Singleton.
- Worked on the dependency injection using spring framework with Application Context XML and Annotation based, good working experience in Spring MVC, AOP, IOC, Spring Security and Validation.
- Experienced in generating logging by Log4j to identify the errors in production test environments
- Used REST services to perform CRUD operations on the database server over HTTP with GET, POST, PUT, DELETE to the Web service
- Hands on experience with JUnit in performing unit tests and Log4J in determining the application functionality.

TECHNICAL SKILLS:

Technologies	Java, Groovy, REST, SOAP, SQL, UML, JavaScript, JQuery, HTML 5, LESS, AEM Adobe Experience Manager
Development Tools	IntelliJ, Eclipse, Net Beans, STS, MySQL Workbench, NAVICAT, Jenkins, GIT
Frameworks	SPRING, Hibernate, Yii, Angular
CMS	WordPress, AEM
Databases	HQL, MySQL
Operating Systems	Windows XP/7/8/10, LINUX Ubuntu 14.04/16.04, UNIX, MAC-OS
Web Servers	Apache Tomcat, Web Logic, XAMPP, WAMP

Blue Acorn iCi, Inc.

Dec 2017 – pres.

Blue Acorn, a digital commerce UX design and strategy agency, merged with data-driven marketing solutions provider, [iCiDIGITAL](https://www.icidigital.com/). The new firm, [Blue Acorn iCi](https://www.blueacornici.com/), brings together a 400-person team of world-class engineers, data scientists, digital commerce experts, designers, and strategists, with offices in Charleston, Raleigh, New York, Toronto, Los Angeles, San Antonio and Shelton, CT. Their customers include: Le Creuset, Casper, Food Lion, Charter Communications/Spectrum, Ticketmaster, and Panera. <https://www.blueacornici.com/>

AEM Technical Consultant, Raleigh, NC

Developed, implemented and configured web content management solutions using **AEM v6.1** and **AEM v6.3**. Worked with JAVA, Groovy, XML, JSP, Servlet, AJAX, JQuery and JS to create services and bundles in OSGi. Created editable templates and components to create consistent, responsive pages in a web platform.

Project: **Charter Communications (Time Warner Cable/Spectrum)**

Charter Communications is a cable TV, internet, and phone provider that offers its services under the brand name **Spectrum**. It has \$45 Billion in annual revenue, 25 Million customers in 41 states, and is the 2nd largest cable operator in the USA. <https://www.spectrum.com/>

For this ongoing project, ICIDIGITAL provides a team of **AEM** technical consultants to develop and support timewarnercable.com and enterprise.spectrum.com.

This project includes Front End Development, Backend Development, ADA compliance and custom feature creation.

Environment: Java 8, **AEM** v6.1, AEM v6.3, Groovy 2.3.6, Felix OSGi, REST, SOAP, DUST JS, LESS, AJAX, JQuery, Jenkins

Responsibilities:

- Completed training and became a Certified AEM 6 Developer in 2018.
- Attend the daily standups to ensure communications between the development team.
- Responsible for designing and development of frontend components with JSP, HTML, CSS and JS.
- Handle keyboard events and focus, making elements tab-able and browser compatible.
- Refactor existing code and resolve the issues that violate the Accessibility guidelines.
- Modified Dust Templates to render components and make it ADA compliant
- Applied REGEX, generate a pattern to edit and manipulate text.
- Used ARIA Live regions, making dynamic contents to be announced by assistive technologies without a page reload.
- Design and modify existing CSS according to requirements and follow the color contrast ratio for ADA compliance.
- Worked on both responsive Frontend Design and Backend Module.
- Worked with Jenkins, performing CICD deployment, following git-process to manage codebase in bitbucket
- Worked with **AEM** User and AEM Group Management and Authentication, Login Module, User Authentication.
- Experienced with Java and Groovy to handle the backend bundles, models, servlets and services.
- Worked with **AEM** query builder to search queries in JCR nodes
- Wrote Groovy scripts to migrate content between instances.
- Worked with cookies and local-storage for store data and use to create interactive components, also solving complex problems that needs data persistence in the browser for a short time.
- Followed the AGILE Methodologies, coordinating with offshore developers, mentoring Juniors and following Kanban board.
- Wrote and modified configurable OSGi configs, services.
- Wrote replication service to publish content from Author to Publish instance and vice-versa.
- Completed stories within the commitments made for the sprint, including meeting all conditions of satisfaction and definition of done.
- Strongly review the Pull request code, regression testing and verify no other components are affected by the new change requested.
- Analyze and investigate the technical issues or bugs that show up in the project. Will support in the maintenance of the application.
- Create new responsive editable templates as per the requirement, also work on the complex authoring to come up with design solutions.
- Completely familiar with the node structure of author, publish and stage instances.
- Some experience with Akamai CDN, Cloud Services like Dynamic Media, Workflow models.

Web Application Developer, Kathmandu, Nepal**Project: Customer Relationship Management | CRM**

Description: Contributed to Java web application design and development, using expert knowledge of Spring- Hibernate to deliver on expected features and requirements. Served in a team to develop, and design enterprise-level software systems using Java and Maven Technologies. Created RESTful efficient back-end Web API solutions for a large-scale data analysis using JSON, spring, MVC. Integrated RAD principles into the Software Development Life Cycle

Responsibilities:

- Understanding and analyzing business requirements.
- Designed use case diagrams, class diagrams, and sequence diagrams as a part of Design Phase.
- Involved in injecting dependencies into code using spring MVC.
- Involved in developing code for obtaining bean references in spring framework using Dependency Injection (DI) or Inversion of Control (IOC).
- Created and maintained mapping files, persisting classes and transaction control in Hibernate to access the database.
- Increased 50% of data reading performance by sharing and query optimization techniques in the database.
- Consumed RESTful Web services provided by different vendor to use for Address verification and validation
- Designed and developed the UI using JSP, HTML, CSS and JavaScript, JQuery, Bootstrap.
- Multithreading was used to process data in chunks to improve performance.
- Built-in Services to deal with the different business operations of the application. Designed and developed presentation layers using JSP, CSS, HTML5, JQuery and Javascript, JSON in UI pages
- Created and implemented SQL stored procedures and triggers.
- Implemented POJO class in Hibernate to map with corresponding entities of relational database.
- Used Log4J logging framework to write Log messages with various levels.
- Used GIT to keep track of source code versioning.
- Followed Agile methodology to track project progress

Environment: Java 1.7, J2EE, Servlets, JSP, Hibernate, Spring, Log4J, JavaScript, JUnit, SVN, Eclipse IDE, Spring Boot, JUnit, Maven, XML, RESTful Web services.

ACADEMIC PROJECTS**Maharishi University of Management- Fairfield, Iowa****Sept 2016 – Oct 2017****Project: Library Management System**

Desktop application allows both the users and librarians to manage library books, check-in, check-out, fees, and inventory. Users could search and make a reservation for a book. Librarians could add, update, manage and keep track of the books.

Responsibilities:

- Involved in Analysis, Design, and Implementation of desktop application using JavaFX, MVC, Façade
- Designed layouts with Scene Builder.
- Used Program to an Interface design pattern to add dependency relationships on a class.
- Followed agile software development methodology.
- Used GIT for version control.

Environment: Java 1.7, J2EE, MS-SQL, Scene Builder Eclipse, UNIX, GIT

Project: Attendance Management System

Web application for tracking student's attendance via barcode reader, CRUD features for courses, students, and location.

Application link: [click here](#)

Responsibilities:

- Involved in injecting dependencies into code using spring MVC.
- Used Spring Security and Spring Validation for login page.
- Developed architecture, page layouts, databases, and role-based authentication.
- Designed layouts with JSP, CSS, HTML, JS, JQuery, AJAX, Bootstrap
- POJO implementation for ORM Mapping with Hibernate.
- Performed CRUD operation with Spring MVC and REST Web services.
- Followed agile software development methodology.
- Used GIT for version control.

Environment: Java 1.7, J2EE, MS-SQL, spring, Hibernate, Bootstrap Framework, REST Web Service, Ubuntu, MySQL, Pivotal Tomcat, JDK, STS, JQuery, AJAX, Spring MVC, Hibernate, SOC, AOP, and DI, GIT.

Project: Carpooling App

Programmed an application for ride sharing to Users could offer a ride or he/she could ask for an available ride.

Application Link: [click here](#)

Responsibilities:

- Involved in designing Front End development with Bootstrap framework and customized CSS.
- Designed database with My-SQL.
- Designed dynamic UI with JavaScript, JQuery and AJAX.
- Followed N-tier Architecture with separate Controller, View, model, Service, Persistence layers.
- Used GIT for version control.
- Implemented RedMine for Project Management tool.

Environment: Java 1.8, Servlet, MY-SQL, Bootstrap Framework, N-tier architecture, AJAX, JSON, Navicat, JDK, STS, Java Servlet, JSP, AJAX, JavaScript, JQuery, CSS3, HTML5, STS, GIT.

Project: Auction App

Created a web application with Java and Maven technology for online application to buy and sell goods.

Responsibilities:

- Designed a front end with Angular framework.
- Used HTML5, CSS3 and Bootstrap for responsive design of templates in Angular2.
- Implemented Spring MVC for managing dependencies.
- Followed different design patterns like Singleton, façade, MVC, DI, IOC.
- Perform validation for Database entities with Hibernate
- POJO implementation in the Persistence layer.
- Performed CRUD operation with Spring MVC and REST Web services.
- Worked under AGILE software Development Environment.

Environment: Java 1.8, JSP, MY-SQL, JS, JQuery, CSS, Bootstrap, Hibernate, Spring-MVC.

Project: Online Self Assessment System

Maintained and worked on existing web applications with Spring-MVC and Hibernate framework. This application was designed for students to take exams.

Previous Link: [Web application link](#)

After maintained Link: [GitHub link](#)

Responsibilities:

- Involved in Requirements gathering, Requirement analysis, defining scope, Design analysis, impact analysis, Integration and deployment.
- Implemented Spring MVC for managing dependencies, validate and application security.
- Used JSP, bootstrap, components, CSS to design layouts. Implemented tiles layout.
- Added animate CSS and different jQuery plugins.
- Maintained the application following Project Management life cycle.
- Identified, Analyzed and followed the risk management.
- Worked on Agile methodology, used GIT for version controlling and used JIRA to plan, track, manage Project.

Environment: Java 1.8, JSP, MY-SQL, JS, JQuery, CSS, Bootstrap, Hibernate, Spring-MVC.