Ajit Kumar Baral

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Professional & Technical Experience Summary:

- Over 4+ years of professional experience as a Software Engineer involved in Object-oriented analysis, Design, Development Testing, Implementation and Maintenance of web based applications.
- Expertise in Core Java with strong understanding and working knowledge of OO Concepts like Collections, Exception Handling and Polymorphism.
- Competence of developing applications with MVC using Spring Framework and Spring Boot for Backend development.
- Experience with relational databases such as Oracle, PostgreSQL and MySQL and non-relational databases such as MongoDB and ElasticSearch.
- Expertise in developing and updating a web page quickly and effectively using JavaScript & Typescript in Frontend Frameworks like AngularJS, React JS and Vue JS with the webpage Cross Browser Compatibility and Responsive Web Design.
- Competence in Redux, Context API and Vuex state management for Frontend development.
- Proficient in writing RESTful APIs, Web Services and Microservices in Node JS, Express JS and Nest JS.
- Experience in implementation of Blockchain application with Smart Contracts using Hyperledger Fabric in Kubernetes Cluster.
- Adequate knowledge of Python and Django Web Framework.
- Handson experience in Amazon Web Services like EC2, SQS, SNS, S3, Lambda, EKS, ECS, ECR
- Knowledge in mobile application development using Java for Android and React Native for iOS and Android along with Ionic Framework for hybrid mobile app development.
- Good experience with source code management collaboration tools GIT, GitHub, Bitbucket, Gitlab.
- Good business perspective visualization of the development of software.
- Efficient team member with good quality code.

Technical Skills

Languages	Java/J2EE, JavaScript, Typescript, Python
Web Technologies	HTML5, CSS3, JavaScript, AJAX, XML, JSP Servlet
Backend Frameworks	Spring, Spring Boot, Node JS with Express JS, Nest JS, Django

Frontend Framework/Library	Angular 2+ , React JS, Vue JS
Databases	Oracle, PostgreSQL. MySQL
Web Services	RESTful API, Microservices, AWS
Blockchain Technology	Hyperledger Fabric
Mobile Technologies	Java (Android development), React Native (iOS/Android), Ionic (Hybric)
Application Containerization	Docker
Container Orchestration	Kubernetes
Methodologies	Agile, Iterative
Version Control Tools	GitHub, Gitlab, Bitbucket

Professional Experience

JULY 2022 - PRESENT
Leapfrog Technology, Inc
HQ: Seattle, WA 98103, USA

Role: *Senior Software Engineer/Project Lead*

1. Involved in a **medical healthcare** related **web application** using Health Insurance Portability and Accountability Act (**HIPAA**) compliance.
2. Taking part in **meetings to discuss new requirements** with Solution Architects and Business Analysts.
3. Design, implement and maintain web based application phases on **J2EE, NodeJS, Express JS**, Frameworks using **Docker** and **Kubernetes**.
4. Conduct **software and architecture developmental activities** on Java and JavaScript based web services.
5. **Requirements gathering** Analysis, Design, Business logic implementation, Deployment and Maintenance of the application.
6. Served as a Project Lead in R&D project for developing custom **blockchain** network architecture using **Hyperledger Fabric.**
7. Created **Smart Contracts** for the blockchain network with Java and Typescript.
8. Followed **Agile** methodology and **Scrum**.

EKbana Solutions
HQ: Tokyo, JAPAN

Role: *Senior Software Engineer/Tech Lead*

1. Involved in the Analysis, Design, Coding, modification and implementation of user requirements.
2. Handle international **client communication** for project specification and application development.
3. Developed and integrated backend applications using **Node JS, Express JS, Nest JS and NextJS.**
4. Creating **RESTful APIs** on **Backend** applications.
5. Created **optimal architecture** for **Frontend** project for development.
6. Implement frontend applications using frameworks like **AngularJS, ReactJS and VueJS** and state management like **NgRx**, **Context API**, **Redux** and **Vuex.**
7. Utilized UI Libraries like **Apache ECharts, Chart JS, Full Calendar** for data visualization.
8. Performed payment management using leading payment gateways of Nepal like **eSewa, Khalti** and **ConnectIPS** for e-commerce platforms.
9. Perform **Code Refactor**, **Code Review**, **Optimization skills,** and apply **coding rules** for applications.
10. Review the use of **UI/UX** and provide feedback to the design team for proper application interactions according to technical standpoint..
11. Followed **Agile** (SCRUM) methodologies for Software Development.

Major Projects

123 Reservation	Data Visualization
Created a web application for online treatment appointment/registration system.	An R&D project created as microservice web application to visualize the data from the Kibana system
Reporting Tool	**Foodmandu Web**
An R&D project created a microservice web application for reporting the server usages and logs to the client for the DevOps team.	Created an e-commerce web application especially front-end application for the new Foodmandu website.
Red Cross Donation	**Koklass**
Created web application for donation for Red Cross Nepal using the Nepali payment gateways like eSewa, Khalti and Connect IPS	Created a general codebase for e-commerce web applications to accommodate UI updates according to the RESTful API calls

Bajra Technologies
HQ: New York, NY 10005, USA

Role: *Software Engineer*
1. **Frontend** Development: Used **Angular 6+**.
   a. **Handling and utilization of complex data collections** from backend to display in the frontend.
   b. Used **state management** technologies like **NgRx**.
   c. Worked with **HTML5, CSS3, Vanilla Javascript**.
   d. Used libraries like **JQuery, Bootstrap**, and **Angular Material UI**.
   e. Reflect designs from **Invision, Adobe XD and Figma** to HTML.
2. **Backend** Development: Use **Ruby on rails**.
   a. Created **database schemas** with **MongoDB**
   b. Performed **CRUD operations**
   c. Created **RESTful API**.
3. **Mobile** Development: Use of Ionic framework.
   a. Worked with Angular 2+ framework for **Ionic**.
   b. Interacting with **RESTful API** from ASP.NET Core and features of **mobile hardware components** like camera and bluetooth**.**
4. **Other** technical experiences
   a. Experience in **Docker.**
   b. Used **Agile methodology** for project management**.**
   c. **Research** and **implementation** of **UI/UX** trends in mobile applications.

K.K. Engineering and Construction Pvt. Ltd.
HQ: Kathmandu, Nepal

Role: Web & Software Developer
1. Focused on application development for the organizations of the Government of Nepal
2. **KVDA**, a mobile application in **Android** using **Java & iOS** using **Swift** for Kathmandu Valley Development Authority, Kathmandu Nepal.
3. **KVDA-Admin**, a web application created in **PHP** using **Laravel Framework** used as an **Admin Panel** and also **RESTful API** for communication with the KVDA mobile application.
4. **Hamro Geruwa,** a mobile application for **Android** using **Java** for Geruwa Rural Municipality, Bardiya Nepal.

Internship

United Nations Information Centre (UNIC) NEPAL
HQ: Midtown Manhattan, New York City, USA

Role: Mobile Application Developer Intern
UNIC is a department of **United Nations Nepal**, where I was involved in assisting **Content/Meta-data development** for the **mobile application** version 2 for "UN Digital Library in Nepal"

The duties and responsibilities were as follows:

1. Create a new **mobile application** (v2) from scratch which includes previous features and add new features.
2. **Research** on the pre-existing version of the application and determine the possibilities of version upgrade and include **additional features** in the next version.
3. Research on preferred programming language and **framework** selection for new versions of application development particularly **JAVA** or **Xamarin** and categorize the best approach in performance and usability of the application.
4. **Research** and **Implementation** of the new **UI/UX** trends in the mobile application.

References

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