Nitish Maharjan

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Profile

Have around 8+ years of Professional IT experience as a web developer designing and developing web applications from initial design and architecture to development deployment and management of web applications.

A full-stack software developer with expertise in various coding languages, frameworks, and building web applications from the ground up. Specialized in SpringBoot and ReactJs.

Experienced in developing complex PL/SQL queries, Procedures, Triggers, Stored Procedures, Packages and Views in various databases such as Oracle, DB2 and MySQL, SQL Server.

Good knowledge of Design patterns like DAO, DTO and Model View Controller. Responsible for creating and maintaining architecture for Restful API using Spring Boot.

Strong understanding of common API technologies, authentication technologies like OAUTH, SAML, and KeyCloak.

Integration testing and support, and also supported software configuration management.

Experience in the Agile (SCRUM) Development Process.

Able to create a full-stack web application and deploy its services in AWS or any Linux based environment

Expertise in Web development technologies like HTML5, Angular JS/4, React JS, TAILWIND CSS, JAVASCRIPT, and CSS3.

Committed to producing clean and secure codebase, good architecture code following design patterns, unit tests, and it's deployment to production environment that sets my work apart from other competition.

Have extended knowledge on Linux Servers and deployment of web application on Linux servers and their DNS.

Experience

JUNIOR WEB DEVELOPER AT INCEPTED WEB DESIGNING WORKSHOP PVT LTD
Tenure: 2010-12-4 – 2012-03-13

Involved in the software development life cycle requirement gathering, coding, testing, and implementation.
Generated Use case diagrams, Class diagrams, and Sequence diagrams.
Developed JSP as the view, Servlets as Controller and EJB as model to help implement dynamic web pages
Developed a backend CMS for changing contents in the frontend

Developed the front end UI using HTML, JavaScript, CSS and AJAX.
Involved in JUnit Testing, debugging, and bug fixing.

JUNIOR WEB DEVELOPER AT ANTS PVT. LTD
Tenure: 2012-09-28 – 2016-03-13

Involved in analysis and design phase of Software Development Life cycle (SDLC).
Involved in Sprint planning for the estimation of efforts for user stories and bugs
Designed and developed the REST based Microservice using the Spring Boot and further integrated build API to a Single page web applications using AngularJS and deployed into development.
Created optimized graphic websites and application interfaces using HTML5, CSS3.
Worked with CSS3 background, CSS Layouts, positioning, text, border, margin, and padding.
Extensive research on Design Patterns and SOLID Design Principles
Used various J2EE design patterns, like DTO, DAO, and Business Delegate, Service Locator, Session Facade, Singleton and Factory patterns with the help of Hibernate
Single Handedly Deployed a complete news broadcasting project in all platforms (Web App, Android and IOS).

Explored new possibilities and researched on new upcoming programming technologies and implemented Javascript technologies (NodeJs, ReactJS) as the core technology of the company.

Full Stack Developer at Silk Transport
Tenure: 2016-05-01 - 2018-06-08

Designed and developed a Restful APIs for different modules in the project as per the requirement.
All the functionality is implemented using Spring Boot and Hibernate ORM. Implemented Java EE components using Spring MVC, Spring IOC, Spring transactions and
Contributed to the DevOps to automate the build and deployment process using Jenkins, shell scripting, chef, Python, AWS Lambda, Cloud Formation Template.
Implemented the application using Spring Boot Framework and handled the security using Spring Security.
Used Micro service architecture with Spring Boot based services interacting through a combination of REST and RabbitMQ message brokers
Developed applications using latest technologies like spring, hibernate (using annotations), and REST based Webservices, XML API and tools.
Strong experience of developing data models using Hibernate POJO's, configuring Hibernate persistence layer.
Complete Spring boot project dockerization using docker-compose
Built Java applications using Maven and deployed JAVA/J2EE applications through Application servers.

Provided leadership to four employees for a complete full stack logistics management software including: budget control, status reporting, team coordination, master repo management, and quality assurance

Introduced and Implemented Loopback Framework for API development considering time factor and employee constraint

Introduced Electron.JS for desktop based application that syncs and replicates between CouchDb and PouchDb

Implemented beta version of Android application for silk logistics software that uses React Native Camera for barcode scanning

Co-Founder, CTO at Silk Innovation
Tenure: 2018-09-01 - Present

Implied previous extensive experience building systems in the past to judge based on the specifics of the problem at hand.

Design an architecture that will solve the problem.

Decide whether performance or scalability is important in the final product, and choose technologies that are appropriate to achieve those goals.

Decide where scalability is important (if it is), based on the planned architecture.

Decide whether to use serverless (like AWS Lambda), more traditional servers (maybe with Kubernetes), or some combination.

Decide what database(s) to use based on actual needs of the project balanced against speed of development.

Put the processes in place to ensure robust development.

Hire the developers that the startup needs to create the product they need.

Fully programmed the core system for a fintech digital wallet

Managed all security features associated to Database transactions to solve __ using various Concurrency Control Protocols (Lock-Based Protocols, Two Phase Locking Protocol, Timestamp-Based Protocols, Validation-Based Protocols)

Worked out solutions related to the problems in transactions (Lost Update Problem, Dirty Read Problem, Inconsistent Analysis Problem, etc…)

Education	IOE, Tribhuvan University – Bachelors in Electronics and Communication Engineering, 2015
Skills	Programming Languages: C programming, C++, Java, JavaScript, PHP, Node.js Methodologies: Agile, Scrum Web Technologies: Servlets, SOAP, Restful Services, GraphQL, HTML, CSS, Javascript, Web Sockets Libraries/Frameworks: SpringBoot, Laravel, Tailwind, JQuery, React Js, NextJs, Loopback Databases: SQL, MYSQL, Oracle, Mongo DB Testing Tools: Unit, Mockito, Spring Test Framework

Deployment: AWS EC2, AWS Lambda, Digital Ocean, Vercel, AWS Beanstalk

DevOps: Jenkins, Docker

Tools: PhpStorm, WebStorm, Android Studio, Xcode, Atom, Sublime Text, Netbeans, Intellij Idea, Filezilla

Platforms: Windows, MAC OSX (Primary), LINUX (Ubuntu)

Project Management: Atlassian Workspace(JIRA, Slack, Confluence, etc), Microsoft Teams

Others: Machine level language with 8085 and Arduino Microprocessors and Electronic sensors