**Prasanna**

**Golang Developer / Software Engineer**

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**(610) 422-7697**

**PROFESSIONAL SUMMARY:**

* Skilled Professional with having 6.5+ years of professional experience in Requirements Analysis, Design, Development, and Implementation of Golang and Java web applications.
* Extensive experience in working with Golang with over 3 years of Hands-on experience.
* Experience in developing and deployment of applications using HTML5, CSS3, JAVASCRIPT, AJAX, jQuery, AngularJS, NodeJS, Angular, ReactJS, Bootstrap, JSON, XML and Python.
* Experience in using Bootstrap and AngularJS, React.js and Node.js in effective web design.
* Experience in Core Java with strong background and working skills of Object-Oriented Concepts like Inheritance, Polymorphism, Exception handling, Multi-Threading and Collections.
* Extensive experience in developing single-page applications using JavaScript frameworks like AngularJS and Bootstrap.
* Extensively used JDBC Statement, Prepared Statement, Callable Statement and Result Set interfaces while providing database interaction with the RDBMS backend.
* Extensive experience in working with various databases like Oracle, SQL server and MySQL
* Performed code updates and releases using Git and Jenkins Deploy tools to send out updates to various pieces of software.
* Experience in Azure Platform Development, Deployment Concepts, hosted Cloud Services, platform service and close interface with Azure Multi - Factor Authentications.
* Experienced with JWT, Oauth 2.0
* Has extensive knowledge on UNIX Shell scripting, FTP, SFTP.
* Experience with Design patterns like Singleton, Data Access Object, MVC Pattern and Agile, SCRUM methodology.
* Strong front-end development using Adobe Flex, MXML, Action Script, AJAX, JavaScript’s, CSS, HTML and DHTML. Very good experience in developing Test Cases using JUnit.
* Expertise in using IDE’s like RAD, IBM WebSphere Studio Application Developer (WSAD) and Eclipse Used Hibernate framework as persistence.
* Experience with installation and configuration of Docker environment including Docker registry hub for managing different Docker images and deployment of applications inside the software container.
* Experience in creating fully automated infrastructure for CI/CD processes with Docker, Sonar Cube, VMWare, RHEL, Satellite, Kubernetes, Artifactory and GitLab.

**KEY SKILLS:**

* Extensive experience in developing various Microservices and REST Api using GO.
* Excellent knowledge with Connecting GO with MYSQL, MongoDB, Cassandra.
* Expert in Achieving concurrency using Channels and GO Routines.
* Expertise in Converting the Business Requirements into User Stories using Version One, Jira.
* Managing end-to- end application support for all applications.

**EMPLOYMENT HISTORY:**

**Centene, Charlotte, NC October 2019 - Present**

**GO Developer**

**Roles and responsibilities**

* Involved in SDLC requirements gathering, analysis, design, development and testing of application, developed using AGILE/Scrum­­ methodology.
* Involved in analyzing, designing, implementing, and testing of the project
* Developed and implemented software applications and systems using various tools and technologies including Golang, AWS, Docker, and Cassandra.
* Used Golang 1.10 and Developed Microservices using Channels, goroutines, functional interfaces, and various frameworks.
* Developed Golang Microservices and Converted the user stories into backend logic in service classes.
* Developed Rest Api to processes the data from DB to another Rest Service using Golang.
* Developed Golang software to handle concurrent data collection and processing with goroutines and channels.
* Written go test cases for the Microservices during the development phase and made sure the code coverage is above 85%.
* Implemented Office 365 and Azure Active Directory for single sign-on, authentication, authorization, and Azure Role-based Access Control.
* Used JSON Web Tokens (JWT) for security and authentication in application.
* Developed an application security infrastructure based on Oauth 2.0 and Microsoft Azure's gateway authentication mechanism.
* Developed user and technical documentation. Developed AWS Lambda and AWS S3 using Golang.
* Created Apache Kafka topics and published to subscribed for the same.
* Written docker files for the deployment.
* Ran continuous integration jobs using Jenkins for timely builds, code coverage, running test.
* Worked with databases like MongoDB, MySQL, Cassandra.
* Used JIRA for bug and issue tracking.

**Sony, Austin, TX May 2018 – September 2019**

**GO Developer**

**Roles and responsibilities**

* Created internal diagnostic tools using Golang, Goroutine, Microservices, Channels, Gokit, ORM GORM, Gorilla Mux.
* Good experience in working with godoc, ginkgo, grpc, Goland, and AngularJS in order to assist with the requirements. Golang and Java were used as a backend REST service while AngularJS was used for the user interface.
* Building a Command line tool to interact with RESTful API using in Golang.
* Used Go Programming Language and Scala in the development of the application.
* Working on Java/J2EE Architectural & Design Patterns, SOAP Web Services JAX-WS, JAX-RPC, REST, Spring Framework, Struts, Servlets, JSP, JMS, JUNIT, Hibernate
* Expertise in the implementation of Core concepts of Java, J2EE Technologies: JSP, Servlets, Spring, Hibernate, Java Beans, JDBC, XML, Web Services
* Responsible for Angular JS code development and API creation in Node Red
* Develop frontend web UI for test for all sku using Angular, JavaScript, HTML5, CSS3, React, Redux, bootstrap, Es6, Typescript, CLI, Responsible for developing reusable UI components using latest technologies like React.js
* Developed database objects like Tables, Views, Constraints, Indexes, Stored Procedures, Functions, Packages and Triggers using MySQL, NoSQL, and PL/SQL
* Working as a Backend developer by creating scalable REST/API for mobile apps
* Created Docker images using a Docker file. Worked on Docker container snapshots, removing images and managing docker volumes and experienced with Docker container service.
* Responsible for configuring the apps to OpenShift v3 and containerization of apps using Docker.
* Experience in configuring Nginx ingress load balancer on a Kubernetes cluster.
* Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.

**Vanguard, Charlotte, NC June 2016 – May 2018**

**Java/Golang Developer**

**Roles and responsibilities**

* Developed custom consumers and producers for Apache Kafka in Go for internal application monitoring system.
* Enhanced, fixed functional and performance related bugs in core product written in GO.
* Experience writing data APIs and multi-server applications to meet product needs in Golang.
* Created RPC-based service for reading large volume of data from PostgreSQL using Golang.
* Designed and created a Goroutine to automatically upgrade appliance software.
* Developed REST Microservices which are like API's used for Automation. They also keep the data in synchronization between two database services.
* Implemented query functionality while mapping front end code to backend by a priority of native SQL, HQL, GORM Queries. Have involved in implementing DAO layer using GORM api. Used godoc while development.
* Enhanced the infrastructure and performance of the interactive and programmatic management interfaces with CLI and RESTful API.
* Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) and used AWS CLI to control various AWS services over SHELL/Bash.
* Did UI development with technologies like HTML5, CSS3, JavaScript, Bootstrap, ReactJs, Angular, TypeScript, jQuery, Redux.
* Created reusable ReactJS components and implemented Redux Pattern into the solution to maintain the stable and always updated Application state.
* Designed, developed, and deployed an authentication and control system based on JSON web token (JWT).
* Developed Go API with the revel framework with Ginkgo development.
* Implementing new projects builds framework using Jenkins & Maven as build framework tools.
* Designed the web client by using HTML, CSS, JavaScript, AJAX, and DOJO with JSON.
* Executed the test steps defined in Test Cases manually and reporting the bugs in JIRA.
* Developed frontend and backend modules using Python on Django Web Framework with GIT.
* Implemented the application using the concrete principles laid down by several Java/J2EE Design patterns.
* Worked in RDBMS implementation using SOAP, SQL, PL/SQL, MySQL on Oracle database.
* Implemented the use of AWS NoSQL DB DynamoDB to dump data in JSON format.
* Developed JUnit test cases to validate the REST services. Worked on web services SOAP and REST technologies. Designed applications using object-oriented concepts, Jasmine and Selenium.
* Used Agile, Scrum Methodology to managed projects and team.
* Responsible for maintaining and expanding our AWS infrastructure using AWS EC2, manage documents in S3, providing IAM access to S3 buckets.

**NCOM Services, Lalitpur, Nepal January 2015 - May 2016**

**Software Developer**

**Roles and responsibilities**

* Designed client application using HTML, JSP, CSS and XML.
* Responsible for use case diagrams, class diagrams and sequence diagrams using Rational Rose in the Design phase.
* Used Spring Core for dependency injection/Inversion of Control (IOC) to have loose coupling.
* Implemented application using MVC architecture integrating Hibernate and spring frameworks.
* Implemented the Enterprise JavaBeans (EJBs) to handle various transactions and incorporated the validation framework for the project.
* Used Spring Boot to create enhanced microservices and implemented the security for service layer methods using Spring Security to provide authentication and authorization to certain business functions.
* Developed the Spring Features using frameworks like Spring MVC, Spring DAO, Spring Boot, Spring Cloud, Spring Batch, Spring Security, Spring Integration.
* Developed Web Services to transfer data between client and server vice versa using SOAP, WSD L, and UDDI.
* Used "Agile Development Methodology" and tested the application in each iteration
* Wrote SQL and HQL query to retrieve data from the Oracle database.
* Deliver new and complex high-quality solutions to clients in response to varying business requirements
* Designing the front end using JSP, jQuery, CSS, and Html as per the requirements that are provided.
* Extensively used jQuery selectors, events, Traversal, and jQuery AJAX with JSON Objects.
* Developed Responsive web application for the backend system using Angular JS with HTML5 and CSS3.
* Used Spring AOP to enable the log interfaces and cross-cutting concerns.
* Developed payment flow using AJAX partial page refresh, validation, and dynamic drop-down list.
* Participation in meeting with the team, senior management, and client stakeholders.

**Logic Seed Technologies May 2014 – December 2014**

**Software Developer I**

* Participated in gathering requirements from the HR team and analyzed the requirements and designed the UML diagrams based on the OOAD principles.
* Involved in multi-tiered J2EE design utilizing MVC architecture Struts Framework, Hibernate and EJB deployed
* on WebSphere Application Server connecting to an Oracle database.
* Worked on the Spring framework like Spring IOC and Spring DAO Architecture, develop, deployment of front- end and presentation layer logic of sites using JSP, HTML/DHTML, CSS, and JavaScript.
* Used XML Web Services using SOAP to transfer the amount to transfer application that is remote and global
* to different financial institutions.
* Designed and coded highly available systems/web applications with JavaScript, Node.js and provided Node.js
* for architecture and used Hibernate to access database and perform database updating.
* Debug the application using Firebug to traverse the documents and manipulated the Nodes using DOM and DOM Functions using Firefox (Firebug).
* Developed several REST web services supporting both XML and JSON to perform tasks. REST web services
* leveraged by both web and mobile applications. Prepared technical artifacts including UML Class diagrams, Sequence diagrams etc., using Rational Rose.
* Created a web application which helps in managing administration using Java and J2EE.
* Developed testcases to support the built code.

**Education:**

* BS in CS – Cameron University – 2014.