Golang Developer Golang Developer Golang Developer - Capital One Work Experience Golang Developer Capital One - Richmond, VA July 2017 to Present Responsibilities: Used Go Programming Language (Golang) and Scala in the development of the application. Developed backup and recovery engine for VM backup/recovery using VMware vSphere APIs, Golang programming language and RabbitMQ Message bus (communication interface). Experience using Restful to push configure to devices with Java and Erlang. Created PDF reports using Golang and XML documents to send it to all customers at the end of month with international language support. Developed front end using Bootstrap.js, Angular.js, Node.js, D3.js, Backbone.js, where back end is JAX-RS (Jersey) REST webservice. Developed Golang software to handle concurrent data collection and processing with goroutines and channels for a Wi-Fi device. Achieved concurrent transactions via Goroutines multi-threads. Implemented Java and J2EE Design Pattern such as Command, State, Template, Composite, Strategy and Observer. Worked with Go Web Toolkit, Microservices Toolkit, Go-kit Web Service and Cassandra dB Cloud PostgreSQL Server on the server stack. Developed Microservices to utilize Go language, REST web services in the client's environment. Also worked on concurrency: goroutines and channels for library support. Extensively worked with godoc. Worked with ORM's like Equalize and GORM to perform DB operations using Node and Golang respectively. Created stage timeline in Web UI client using JavaScript and React and implemented stage deletion in CLI using Golang. Used Go to run the Docker Command Line Interface tools. Worked on Setting up scalability for application servers using command line interface (CLI) and administering DNS system in AWS. Optimized the Go code using goroutines. Experience building Listener on Rabbit MQ erlang. Implementing the routing technique in Golang using Gorilla mux as request router and dispatcher for matching incoming requests to their respective handler Developed dynamic web pages using HTML5, CSS3, JavaScript, AngularJS, NodeJS, Bootstrap, LESS and bootstrap. Developed Single Page Applications (SPA) using React, ES6, and typescript, Web Pack, Grunt and Redux. Developed an application security infrastructure based on JSON web token (JWT) and Microsoft Azure's gateway authentication mechanism. Integrated Single Sign On (SSO) for multiple applications in the portal

using SAML and JWT. Designed back-end system Logging Framework using Play Framework, Apache Kafka and Elasticsearch. Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash. Developed a Process Pool Management system in OTP for controlling Erlang process load on systems using concurrent threads. Designed, developed extensive additions to existing Struts, Java, J2EE Web Application utilizing Service Oriented Architecture (SOA) techniques. Worked with database development in both SQL (MSSQL, PostgreSQL/PL/SQL, MySQL) and NoSQL (MongoDB). Used Apache CXF as the Web Services framework to implement the REST APIs involved. Golang and Java were used as a backend REST service while AngularJS was used for the user interface. Developed Golang based web services on AWS and Google App Engine. Used Goland IDE for development. Used GitHub and Jenkins for the continuous integration and deployment. Instantiated Agile/Scrum methods to create a development rigor, and Project management. Created automated test scripts for web applications with Jasmine and Selenium testing module. Wrote unit tests using Jest and Enzyme for test-driven development. Created unit test cases and mocked complex classes using JUnit, Mockito, and Power Mock. Setup and build AWS infrastructure various resources VPC, EC2, S3, IAM, EBS, Google Cloud, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates. Prepared Unit test case using JUnit and used Maven for continuous integration testing. Designed and developed user interfaces using JSP, HTML, JSON, jQuery and CSS. Used Struts Model-View-Controller approach to help design new features and fix Jira bugs and request. Worked with sites hosted on Heroku & AWS, using a variety of technologies such as Varnish, Apache, Nginx. Utilized GitHub for repository code management and Zoom and Slack for team peering purposes for co-work assignments. Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins. Designed and implemented Container orchestration systems with Docker Swarm and Kubernetes Developed and Debugged Golang plugins for Go CD pipelines. Technologies Used: GO, Golang, Goroutine, Microservices, Channels, Gokit, ORM GORM, cli, Gorilla Mux, go-hystrix , godoc, JavaScript, HTML5, CSS3, Angular. Golang Developer Metra Chicago IL - Chicago, IL June 2016 to July 2017 Responsibilities:

Enhanced, fixed functional and performance related bugs in core product written in GO (Golang). Experience writing data APIs and multi-server applications to meet product needs in erlang. Created RPC-based service for reading large volume of data from PostgreSQL using GO(Golang). Developed a Process Pool Management system in OTP for controlling Erlang process load on systems using concurrent threads. Programmed an IRC bot in Golang that is concurrent using goroutines Designed and created a Goroutine to automatically upgrade appliance software. Accelerated the birth of new generation by 30% by using multi-threaded Goroutines during the crossover process. Experience in pairing with developers to stay actively involved. Main technology stacks include C# and Erlang. Used Golang to create backend servers. Responsible for providing leadership in a trade-study exploring alternate software ecosystems including Erlang/OTP, Python plus messaging frameworks, and other scalable alternatives. Providing scalable solutions via erlang, Golang, AWS, protocol buffers and supervision trees. Developed REST Microservices which are like API's used for Home 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. 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 at the forefront driving the Test-Driven Development process. Architecting the Infrastructure on Google cloud platform using various GCP Services. 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.   Responsible for maintaining and expanding our AWS infrastructure using AWS EC2, manage documents in S3, providing IAM access to S3 buckets.   Installed and configured the development environment using Windows NT and LINUX operating systems.   Implemented Docker based Continues Integration and Deployment framework.   Configured Git and Bitbucket servers as the software version control tools.   Used zoom for daily standup calls, team meetings, Sprint planning and Sprint Review.   Unit tested the code with Jasmine tests and manages the code with SVN.   Extensively Used Eclipse IDE and IntelliJ for designing, coding and developing applications.   Documented the progress of the daily stand-ups with the Atlassian stack (JIRA, Confluence, HipChat).   Technologies Used: GO, Golang, Goroutine, Microservices, Channels, Gokit, ORM GORM, cli, Gorilla Mux, godoc, JavaScript, HTML5, CSS3, Angular, React, Redux, Bootstrap, Es6, Typescript, JSON web token, SSO/SAML, Elasticsearch. Software Developer Freedom Mortgage Corp - Dallas, TX February 2014 to May 2016 Responsibilities: Involved in requirement analysis, design, coding and unit testing.   Created JKS file to interact with third party application using certificate and public key during SSO implementation.   Golang back-end development for Microservices.   Building Microservices using Golang, JSON, Docker, MongoDB.   Implemented code to generate SAML response to interact with third party application successfully.   Used SSO and SAML token creation and authenticate to the external system from ADE application.   Used Testing tools Like Ginkgo and Go mega framework.   Built website and database system for in house, programmed in Python through Django streamline framework.   Improved test automation efficiency and execution through development of a distributed resource management system written in Erlang.   Designed and developed new features for application using Java, J2ee, JSP, Servlets, Struts, Java, EJB, JDBC, HTML, JSTL, and XSL.   Designed and implemented database structure in MySQL/ PL/SQL Server.   Developed SQL queries. Actively worked on stored procedures.   Developed Rest

architecture-based web services to facilitate communication between client and servers. Created all the services to work with the various entities provided and rectified the services using REST APIs. Involved in creation of automation framework using selenium and testing. Used JIRA & Confluence were the tools used to keep things in check. Designed layouts on the front-end and developed web pages responsive for smart desktops using JavaScript, HTML5, CSS3, Bootstrap and jQuery. Technologies Used GO, Golang, Microservices, JavaScript, HTML5, CSS3, Angular, Bootstrap, JSON web token, SSO/SAML, Python, Erlang, Java, Spring, Hibernate, MySQL, PL/SQL, Rest, Soap, Eclipse, Git, SVN, Junit, Selenium, Agile, AWS EC2, S3, Maven, JSON, XML, Jira, Linux, hip chat, Jenkins. Software Developer Sanofi - Seattle, WA July 2012 to January 2014 Responsibilities: Worked on custom panels, blocks, content types, and views to customize the look of the website. Provided external connectivity (Apigee/Akamai) to LLE (Lower level environment/release environments) Responsible for layout design, implementation, using HTML5, CSS3, Bootstrap and AngularJS. Used JSON web token (JWT) based authentication along with authentication guards to set the application up. Used SOAP Technology for exchanging the XML application using HTTP. Created functional automation scripts using open source tools selenium (selenium RC, Grid). Designed the flow of the project using Waterfall Model. Used various Amazon Web Services (AWS) Components like EC2 for virtual servers and S3. Proficient use of developing applications using NetBeans and ANT. Tracked software issues and project progress enterprise-wide using Jira. Responsible for the total, efficient and profitable operations of a CVS. Written Unit testing and Test suites using JUnit framework for testing the application. Used SVN version controller to manage code versions. Developed test cases and performed unit testing using JUnit. Involved in writing Unix Shell Script for performing automated tasks. Designed and maintained databases using Python and developed Python based API (RESTful). Researched, evaluated and worked with basics of functional programming languages such as Go, Erlang. Used Restful to push configure to devices with Java and Erlang. Developed application using Java platform. Prepared statements are used for communication with MySQL database. Implemented logging functionality using log4j and developed SQL, Oracle queries and stored procedures

Technologies Used: JavaScript, HTML5, CSS3, Angular, Bootstrap, JSON web token, SSO/SAML, Python, Java, Spring, Struts, MySQL, SQL, Rest, Soap, CVS, SVN, Selenium, Waterfall, AWS EC2, S3, Ant, XML, Jira, Unix. Education Bachelor's Certifications/Licenses Driver's License

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