**Sariph Shrestha**

**sariph.kishor1@gmail.com**

**571-519-8881**

* Full Stack Software Developer with over Fourteen Years of Experience
* Certified AWS Solutions Architect Associate.
* Expert in Agile Software Development and Release Management Delivering Enterprise Applications
* Excellent Understanding of Data Structures and Algorithms.
* Extensive experience in developing Web interfaces using HTML5, CSS3, Bootstrap, W3CSS, SASS, JavaScript, JQuery, AngularJS, UI - Bootstrap.
* Expertise in client - side store management using NGRX for unidirectional data flow.
* Excellent Understanding of Best Practices in Software Development (Microservices Architecture, Designing Highly Scalable Efficient Applications, following high Coding Standards, Implementing Design Patterns)
* Excellent Understanding of Design and Development of Scalable, Fault Tolerant REST Microservices using Spring, Spring Boot, Spring Data (Hibernate/JPA), Hysterix, Feign
* Hands on experience in Android SDK based application development in Kotlin.
* Experienced in upgrading JUnit versions to enhance testing capabilities, ensuring compatibility with modern frameworks and improving test execution efficiency.
* Extensive knowledge in developing single - page applications (SPA’s) using React Js.
* Good Experience in Testing Microservices using Mockito.
* Excellent Skills in Developing and Tuning SQL, PL/SQL Queries (On Oracle, MySQL, Postgres)
* Excellent Understanding of using NoSQL Databases (MongoDB)
* Expert understanding and experience in Javascript/Typescript Framework (Angular 12, Angular 7, Angular JS)
* Good Experience in UI Test Frameworks Jasmine, Karma and Protractor
* Good Understanding and Experience in CSS Frameworks Bootstrap, SASS, LESS
* Experience in working with Test Driven Development, using JUnit and Mockito to write the test cases and mock required dependencies.
* Excellent Understanding of Design and Development in Apache Spark, Spark Streaming, Structured Streaming, Kafka
* Excellent Experience in Developing and Designing CI/CD Pipeline using Jenkins, Docker, Kubernetes, Helm, Quay, AWS
* Expert Understanding of Deploying, Configuring Applications to AWS (Amazon Web Services)
* Excellent Experience in developing Lambda Functions in AWS
* Excellent Understanding and Experience in using AWS ECS, AWS S3, AWS EC2, AWS SQS, AWS EBS Volume, AWS EMR, AWS SNS
* Good Understanding of Log Monitoring using Kibana and Performance Monitoring using New Relics
* Excellent Experience in Developing GIT Strategy.
* Experience in using React JS components, Forms, Events, Keys, Router, Redux.
* Used NGRX store for making the API calls, implemented action types, actions, reducers and selectors.
* Excellent Communication Skills, Team Work Ethics, Quick Understanding Capability and A Team Player
* Bachelor’s Degree in Electrical and Computer Engineering from a Reputed University (Top 7 in USA)
* Received Technology Excellence Award from Capital One

SKILLS

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| --- | --- |
| **Java Technology** | Java 1.7, Java 1.8, JSF |
| **Spring Framework** | Spring, Spring Boot, Spring Data |
| **AWS** | EC2, S3, SQS, SNS, EMR, VPC, Dynamo DB |
| **AWS Monitoring** | Cloud Watch, Datadog |
| **ORM Framework** | Hibernate, JPA, iBatis |
| **Middleware Framework** | IBM BPM, IBM Lombardi, Oracle BPEL |
| **Application Servers** | Tomcat, JBoss, IBM WebSphere, Oracle Weblogic Server, Jetty |
| **Version Control** | GIT, SVN, CVS |
| **Script** | Shell Script, Python |
| **JavaScript Framework** | Angular 1.x, Angular 5, Angular 7, Typescript, Javascript, Node.js |
| **CSS Framework** | Bootstrap, SASS, LESS, primeNg |
| **UI Test Framework** | Karma, Jasmine, Protractor |
| **Test Framework** | Mockito, JUNIT |
| **Big Data Framework** | Apache Spark, Spark Streaming, Spark Structured Streaming |
| **Distributed Streaming** | Kafka |
| **NoSql Database** | Mongo DB, Cassandra |
| **CI/CD** | Jenkins, Artifactory, Quay, Helm, Docker |
| **Relational Database** | Oracle, MySQL, AWS RDS, Postgre SQL |
| **Log Monitoring** | Kibana, Grafana, Elastic |
| **Performance Monitoring** | New Relic |
| **Build Tools** | Maven, Gradle, Grunt, Gulp, Git, Npm, Yarn |
| **Methodology** | Agile, Pair Programming |
| **OS** | Windows, Mac, Linux, Unix/AIX Sun Solaris, Redhat |
| **IDE** | IntelliJ, Eclipse, Webstorm, Visual Studio Code, RAD, Netbeans |

**Authorized to work in the US for any employer (US Citizen)**

EXPERIENCE

**IBM, Reston, VA (Remote) July 2022 –Present**

**Senior Software Engineer**

**Project Description:**

IBM Octo is a technology firm dedicated to solving most complex challenges, enabling agencies to jump the technology curve. It deploys deep expertise, leading technology, and extensive market intelligence to serve as the first line of oversight.

* Actively contributed to sprint planning sessions, estimating task complexities, and setting sprint goals.
* Collaborated with cross-functional teams, including QA, design, and product management, ensuring holistic development.
* Utilized JIRA and Confluence to manage user stories, track sprints, and document development processes.
* Established service boundaries, ensuring each microservice served a single, well-defined purpose.
* Designed and Developed REST API Microservices using Java, Spring Boot, Spring Netflix Cloud and Circuit Breaker Pattern
* Designed and Developed the Microservices ORM using JPA
* Applied best practices for microservices security, incorporating OAuth and JWT for authentication and authorization.
* Developed and maintained dynamic, responsive single-page applications (SPAs) using Angular 12+, enhancing user experience with advanced JavaScript and TypeScript features.
* Wrote NodeJS application logic; supporting REST APIs launched in AWS Lambda with Postgres backend
* Enhanced service discoverability through Spring Eureka and managed load balancing with Spring Ribbon.
* Ensured system resilience with patterns like Rate Limiter and Bulkhead in addition to Circuit Breaker.
* Used Flyway for database migration, ensuring version control and consistency across environments.
* Incorporated caching mechanisms using Redis, optimizing frequently accessed data retrieval.
* Utilized lazy loading and Ahead-of-Time (AOT) compilation in Angular to improve application performance.
* Employed Angular guards to manage route protections and role-based content rendering.
* Exploited Angular's Change Detection strategy to boost performance in large-scale applications.
* Configured Jenkins pipelines for continuous integration, automating build and deployment processes.
* Applied Test Driven Development (TDD) principles, writing tests prior to functional code.
* Designed and maintained scalable Docker environments, optimizing the Docker images for production deployment.
* Implemented Docker orchestration using Docker Compose to streamline the deployment of multi-container applications.
* Ensured seamless containerization and deployment of applications, ensuring zero-downtime and high availability
* Managed container data persistence and networking using Docker Volumes and Bridges, enhancing application efficiency and communication.
* Collaborated with the development team to integrate application build and release processes into Docker CI/CD pipelines.
* Integrated SonarQube for continuous inspection of code quality and detecting vulnerabilities early in the development cycle.
* Used NodeJS Frameworks in the development of the web applications.
* Employed AWS Lambda and API Gateway for serverless microservices, triggering functions based on events and minimizing server overhead.
* Utilized AWS S3 for storing static assets and CloudFront for content delivery, ensuring optimal load times.
* Incorporated Kafka for message streaming, allowing real-time data processing and enhancing decoupling between services.
* Utilized Apache Avro for schema management in Kafka, ensuring compatibility and robustness in event contracts.
* Incorporated centralized logging using the ELK stack (Elasticsearch, Logstash, Kibana), enabling efficient log analysis and debugging.

**Capital One, Vienna, VA (Remote) May 2021 – June 2022**

**Senior Software Engineer**

**Project Description:**

Capital One Financial Corporation is a bank holding company specializing in credit cards, home loans, auto loans, and banking and savings products.

* Developed and Designed Solutions using Agile Software Development Methodology (Grooming Story, Daily Scrum Meeting, Retrospective Meeting)
* Designed and Developed REST API Microservices using Java, Spring Boot, Spring Netflix Cloud and Circuit Breaker Pattern
* I train testers to work in new frameworks and help them switch from Java to Kotlin
* Implemented Angular client-side validation and type ahead to improve the accuracy of input data
* Designed and Developed the Microservices ORM using JPA
* Used Mockito for writing Unit Test Cases for REST Microservices.
* Designed and developed REST API microservices for managing financial assets using Java Spring Boot and AWS S3 for secure storage.
* Integrated GraphQL into existing microservices architecture, improving flexibility and efficiency for frontend developers when consuming APIs.
* Developed unit tests using JUnit and Mockito and Integration tests using Postman and Newman.
* Responsible for implementing Best Practices (Clean Code Standards, GIT Strategy, Extensive Code Review, Unbreakable Coding Practices).
* Working on C#, Asp.Net Core 3.1, Web API, Entity Framework, LINQ, SQL server, Single Page Application framework (SPA), Angular 6, Typescript, CSS, VSTS, GIT, Bootstrap, JavaScript, JSON, HTML, Db Up, Postman, NGRX store, RXJS, Redux, Augury and Bootstrap.
* Rewrote the UI Application using Angular 5 (Using Components, Complex Routers, Promises, Using Observables), HTML, LESS
* Involved in designing view templates using responsive design with Angular, bootstrap, CSS3, SASS, W3CSS and HTML5
* Extensively used AWS Lambda to rehydrate EC2 Instances and Stack using boto3 API (using SQS, ECS, EC2, SNS, CFT).
* Used Mongoose API in order to access the MongoDB from NodeJS.
* Implemented and maintained the monitoring and alerting of services using AWS Cloud Watch
* Involved in Designing and Deploying application utilizing the AWS stack in highly proficient manner (EC2, Route53, S3, RDS, SNS, SQS, IAM) focused on High Availability and Fault Tolerance in AWS Cloud Formation
* Leveraged AWS cloud services such as EC2, Auto scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts
* Utilized GraphQL resolvers to retrieve and manipulate data from PostgreSQL databases, ensuring seamless integration and efficient querying.
* Responsible for creating CI/CD Pipeline using declarative scripts (Unit Testing, Functional Testing, Security Scan, Sonar Creating Docker Images, Deploying to Jfrog Artifactory)
* Extensively used GIT for source control management and designed efficient GIT Strategy to follow best practices
* Extensively used Jenkins for developing CI/CD Pipeline (Building, Unit Testing, Functional Testing, Deploying to Artifactory).
* Developed automation frameworks for several projects based on Kotlin and was testing API.
* Created CI/CD pipelines for deploying asset management services, leveraging Jenkins and Docker for seamless integration.
* Created selectors to get observable data from NGRX store and used reducer functions to set/update store state.
* Developed Dockerfile and Docker Container for Java Microservices and Angular Bundle
* Used Datadog to monitor the overall health of the AWS Services
* Developed and Tuned Queries in Dynamo DB

**Environment:** Java, JDK 1.8, Agile, Spring Netflix Cloud, Spring Boot, JavaScript, Angular JS, Angular 5, Jasmine, Protractor.js, Karma, NGRX store, Elasticsearch, AngularJS, Kibana, Kotlin AWS Lambda, AWS SQS, AWS SNS, AWS EC2, AWS S3, AWS CFT, AWS Route 53, AWS Autoscaling, Junit, AWS VPC, AWS Subnets, CI/CD Pipeline, JenkinsFile, Apache Spark, AWS EMR, AWS Cloudwatch, Docker, Mongo DB, SQL

**Lead Software Engineer,**

**CareFirst BCBS, Reston, VA March 2019 – May 2021**

CareFirst BlueCross BlueShield is the largest healthcare insurer in the Mid-Atlantic region, serving the Maryland, District of Columbia, and Northern Virginia area.

* Researched and Developed Software Solutions using Best Practices (Developing and Deploying in Microservices Architecture, Reviewing Newer Frameworks and Languages for Better Performance, Performing Extensive Code Reviews, developing using TDD, Architecting Design using Best Practices)
* Mentored Senior Engineers, Junior Engineer to align to Coding Standards, Maintain High Quality of Code, Introduce Enterprise Design Patterns, High Performance Code and Efficient Code
* Introduced, Mentored and Tutored Engineers to confirm to Reactive and Functional Programming in Javascript and Java.
* Heavily involved in the transition from Java to Kotlin as the main developing language.
* Developed and Designed UI Architecture using Angular 7, Typescript, Bootstrap 3, HTTP5, CSS3, SASS, ng-bootstrap.
* Led the development of asset management microservices using Spring Boot and Kafka for real-time data streaming and asset tracking.
* Developed internationalized multi-tenant SaaS solutions with responsive UI's using Java or React or AngularJS, with NodeJS and CSS. micro-service
* Resolved Complex Problems in Consuming APIs using RxJs Operators (Combine Latest, Zip, Filter, Switch Map, Merge Map)
* Implemented AngularJS controllers to manipulate nodes in DOM tree.
* Used Typescript to Create Custom, Self-Contained, Reusable and Testable Angular Components, Directives, Modules, Services.
* Configured various routes, directives for grid, pagination, conditional validations, templating, dynamic loading, lazy loading, Shadow DOM, ngrx store.
* Developed Angular Subjects, Behavioral Subject and Replay Subjects to Cache Data and Emit Data
* Designed and Developed a Scalable Distributed System with Multiple Consumers and Producers to Manage Live User Events/Interactions and Dynamically Changing Data
* Worked with Google Analytics to retrieve analytics for website namely how many users logged in, how many users from certain geographical location accessed the website.
* Integrated Google Analytics to track digital asset interactions and performance metrics for the asset management system.
* Responsible for converting Java code to Kotlin.
* Implemented client-side validation using AngularJS validation to make sure data are in correct format before passing to back end
* Developed Caching Mechanism for REST API Microservice using Spring
* Developed Integration Test Framework using Cucumber

**SAP Concur, Vienna, VA June 2018 – Jan 2019**

**Senior Software Engineer**

SAP Concur is an American SaaS company, providing travel and expense management services to businesses. It was initially acquired by SAP SE.

* Implemented and Designed Solutions using Agile Software Development Process (Grooming Meeting, Spring Planning, Daily Scrum Meeting, Retrospective Meeting)
* Researched and Developed Software Solutions using Best Practices (Developing and Deploying in Microservices Architecture, Reviewing Newer Frameworks and Languages for Better Performance, Performing Extensive Code Reviews, developing using TDD, Architecting Design using Best Practices)
* Worked simultaneously in both production and development teams and took part in designing and developing dynamic web pages using HTML5, CSS3, Bootstrap, SASS, JavaScript, jQuery, Angular 4 for single page applications.
* Used Typescript to create custom, self-contained, reusable and testable Angular Components, Directives, Modules, Services and Models.
* Developed Data Flow between disparate components using Event Emitters and Services (Using Observables)
* Implemented Observables using RxJS for Asynchronous Communication to the API
* Developed Angular Services to Consume Web API using Angular HTTP Client (via GET/POST/PUT/DELETE Http Verbs) to realize CRUD Data Operations.
* Implemented NGRX store to maintain the state of the application. NGRX store was used to store results after angular injector observable retrieved the data from backend.
* Performed Unit Testing using Junit and Log4j for Test Driven Development (TDD).
* Experience with Event Driven Micro-services architecture and Spring boot-based applications
* Implemented Forms and Form Validation using Template Driven Forms and Reactive Forms
* Extensively used Pipes and Custom Pipes for filtering and formatting data presented in view template
* Used JWT for Authorization of the Angular Application
* Developed Unit Test Case using Karma and Jasmine
* Designed and Developed REST API Microservices using Java, Spring Boot, Spring Netflix Cloud, Spring Data, Hysterix, Feign
* Worked on creating Angular custom pipes to sort the history of various customers through order of date, year and month, ngFor for display of the history of customer details in tables.
* Developed Caching Mechanism for REST API Microservice using Spring Cache (Eh Cache Manager)
* Developed Unit Test Cases for Microservices using Mockito
* Developed Integration Test Cases using Cucumber and Custom Cucumber Framework
* Used Java 8 (Lambda Expressions, Streams) for Developing Microservices, and Enhancing the existing codebase
* Designed and Developed Application using AWS (S3, SQS, ECS, SNS)
* Designed and Developed Automation of Data Flow using Lambda Functions Boto3 Library (EC2, SQS, S3, RDS)
* Deployed Microservices Architecture using CI/CD pipeline [(Code: Github, Helm, Java, GoLang), (Build: Jenkins, Docker, Slack), (Ship: Quay, Helm), (Deploy: Jenkins, Github, Helm, Slack), (Run: AWS, Tectonic, Kubernetes, Kibana, New Relic)]

**Environment:** Agile, Java 8, Angular 7, Angular 4, Angular JS, Typescript, RxJs, Karma, Jasmine, Spring Boot, Spring Netflix Cloud, Hysterix, Feign, Hibernate/JPA, Junit Spring Data, Mockito, Cucumber, Kubernetes, GoLang, Helm, Quay, AWS EMR, AWS Lambda, AWS SQS, AWS SNS, AWS EC2, AWS S3, AWS CFT, AWS Route 53, Docker, Slack, Mongo, Cassandra

**Capital One, Vienna, VA May 2017 – May 2018**

**Sr. Software Engineer**

**Project Description:**

Capital One Financial Corporation is a bank holding company specializing in credit cards, home loans, auto loans, and banking and savings products.

* Developed and Designed Solutions using Agile Software Development Methodology (Grooming Story, Daily Scrum Meeting, Retrospective Meeting)
* Designed and Developed REST API Microservices using Java, Spring Boot, Spring Netflix Cloud and Circuit Breaker Pattern
* As a senior software engineer, I have more than 14 years of experience. I am in meetings right now. Would you kindly allow me some time? I will give you a call following the meeting. Please feel free to email me if you need anything. I'll respond to your email.
* Created Custom Directives in Angular-JS, making use of Modules and Filters objects according to the application requirement. Involved in making Spring and Hibernate enhancements to existing applications Developed unit test cases using Mocha and Karma as unit test runner for various application modules.
* Designed and Developed the Microservices ORM using JPA (Caching Mechanisms, Mapping, Performance Tuning).
* Performed Unit Testing using Junit and mockito, used Log4j technology for logging and used Maven as build tool for managing dependencies.
* Used Java 8 for refactoring and enhancing the code (Lambda Expressions, Streams)
* Developed and Performance Tuned SQL Queries for Processing Hercules Performance Schemas
* Used Mockito for writing Unit Test Cases for REST Microservices
* Responsible for implementing Best Practices (Clean Code Standards, GIT Strategy, Extensive Code Review, Unbreakable Coding Practices).
* Hands on experience deploying Kubernetes in diverse environments
* Developed UI Screens using Angular JS (Custom Directives, Promises, Controllers, Routers), HTML, and CSS
* Rewrote the UI Application using Angular 5 (Using Components, Complex Routers, Promises, Using Observables), HTML, LESS
* Designed and Integrated UI Application with Github OAuth in Angular JS
* Used Protractor.js for writing functional testing, and Karma for Unit Testing
* Extensively used AWS Lambda to rehydrate EC2 Instances and Stack using boto3 API (using SQS, ECS, EC2, SNS, CFT)
* Implemented and maintained the monitoring and alerting of services using AWS Cloud Watch
* Involved in Designing and Deploying application utilizing the AWS stack in highly proficient manner (EC2, Route53, S3, RDS, SNS, SQS, IAM) focused on High Availability and Fault Tolerance in AWS Cloud Formation
* Leveraged AWS cloud services such as EC2, Auto scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Designed and Developed UI for Portfolio Review Dashboard application using Angular-JS, HTML, CSS, Bootstrap, LESS, JavaScript and JQuery.
* Collaborated with cross-functional teams to develop and maintain applications using Kotlin, ensuring alignment with business objectives and scalability.
* Configured VPCs, Subnets and Security Groups for securing traffic to the application based on the traffic patterns
* Responsible for creating CI/CD Pipeline using declarative scripts (Unit Testing, Functional Testing, Security Scan, Sonar Creating Docker Images, Deploying to Jfrog Artifactory)
* Extensively used GIT for source control management and designed efficient GIT Strategy to follow best practices
* Used AWS EMR to handle spark clusters
* Extensively used Jenkins for developing CI/CD Pipeline (Building, Unit Testing, Functional Testing, Deploying to Artifactory).
* Design Storage management framework for Kubernetes on Confidential Platform
* Developed Dockerfile and Docker Container for Java Microservices and Angular Bundle
* Used Datadog to monitor the overall health of the AWS Services
* Developed and Tuned Queries in Mongo DB

**Environment:** Java, JDK 1.8, Agile, Hibernate, JPA 2.0, Spring Netflix Cloud, Spring Boot, JavaScript, Angular JS, Angular 5, Jasmine, Protractor.js, Karma, Junit, Elasticsearch, Kibana, AWS Lambda, AWS SQS, AWS SNS, AWS EC2, AWS S3, AWS CFT, AWS Route 53, AWS Autoscaling, AWS VPC, AWS Subnets, CI/CD Pipeline, JenkinsFile, Apache Spark, AWS EMR, AWS Cloudwatch, Docker, Mongo DB, SQL

**National Public Radio (NPR), Washington DC November 2015 – December 2016**

**Sr. Software Developer**

**Project Description:**

National Public Radio is a privately and publicly funded non-profit membership media organization that serves as a national syndicator to a network of 900 public radio stations in the United States. The Public Radio Satellite System (PRSS) is part of the distribution division of NPR which requires development of a highly reliable, and mission critical real time system. PRSS ContentDepot® portal provides a web-based interface to identify, share and receive pre-recorded programs, daily live news shows, and one-time specials.

* Developed and Designed Solutions using Agile Software Development Methodology (Breaking down story points for each Task to Fit 2 Week Sprint Schedule, Daily Scrum Meeting, Kanban Board)
* Designed and developed an intra website Search Engine using Distributed RESTful Search Engine (Elastic Search)
* Extensively used Spring Core for Dependency Injection, Spring Configuration for Bean Configuration, Spring AOP for Cross Cutting Concerns, and Cross Site Request Forgery Support using Spring
* Designed and Developed Content Depot Portal UI Screens using Angular JS (Custom Directives, Validation, Promises).
* Develop Backup & DR patterns for Kubernetes & containers
* Involved in resolving mission critical problems (Race Conditions in Semaphore, Issues with Active MQ)
* Designed and Developed Solutions for Concurrency Issues in Editing Producers in the Web Application
* Developed REST Based APIs for exposing critical components of the application
* Extensively used Java 8 Features (Lambda Expressions, Streams, Date API) in the Content Depot Portal Application
* Responsible for Tuning Complex SQL and PL/SQL queries (Oracle Hints and Column Indexing)
* Developed and Designed Streaming Data Dump Application using Java to dump streaming data to Mongo DB
* Designed and Developed Micro Services for New User Registration System using Spring and Spring Boot
* Designed and Developed Test Cases by using Mockito and JUnit
* Developed Cron Jobs using Spring Cron Expressions for CleanUp and Creation of data
* Developed Rotating Promotional Ads, and extensively used Google Analytics API for retrieving analytics for Promotional Ads
* Build auto-scaling, event, stats & logging framework using ELK(Elastic search, Log stash & Kibana), Grafana, Influxdb & Collectd using Kubernetes
* Used Maven for Building Software Components for the Content Depot Portal
* Developed Deploy Scripts and Deployed Applications using Jenkins and AWS (Amazon Web Services EC2 Cloud)
* Deployed and Configured Video Streaming to AWS Cloud Front using Edge Locations
* Used Distributed Version Control GIT (Rebasing, Merge, Binary Conflicts, Rollback Issues), and SVN

**Environment:** Java, JDK 1.8, Agile, Hibernate, JPA 2.0, Spring Core, Spring Configuration, Spring Transaction, Spring WS, Spring AOP, Spring Security, Spring Boot, JavaScript, Angular JS, Vaadin, JQuery, Elasticsearch, SQL, PL/SQL, Oracle, Apache Hadoop, Mongo DB, GIT, Maven, JIRA, Jenkins, Amazon AWS, Jetty, Unix, Mac OS

**Fannie Mae, Herndon, VA June 2014 – October 2015**

**Senior Software Developer**

**Project Description:**

National Underwriting Center and Credit Loss Mitigation Technologies Team is responsible for the complex applications that provide solutions to Mortgage Loan Review Processing. A set of intricate Web Applications are continuously developed for providing faster processing of loans and interacting with multiple investment banks.

* Developed and Designed Solutions using Agile Software Development Methodology and Pair Programming Technique
* Designed and Developed Complete solutions for (Core Java, JSF, Swing, JavaScript) Web Application Security that was Vulnerable to Hacking (Cross Side Scripting, Cross-site request forgery, Clickjacking)
* Designed and Developed Standalone Applications for Batch Processing using Core Java, Spring Core, Spring Transaction Management and Spring JDBC
* Designed and Developed Big Data Solution (Apache Hadoop) for Processing and Compressing Large Files
* Developed Critical Loan Selection and Review Web Application using Java/J2EE (Core Java, Spring Core, Spring AOP, Spring Transaction Management, Java Messaging Queue, TIBCO)
* Developed Workflow Solutions for Live State Loan Processing using IBM Business Process Manager (BPM), IBM Lombardi and Dojo Toolkit (Extensively used JavaScript For Developing User Interface)
* Developed Loan Defect Processing Web Application using JSF (Java Server Faces, Richfaces, Jquery)
* Developed PL/SQL and Tuned SQL queries to Process Loan Criteria
* Refactored, Designed and Implemented major Improvements and Enhancements to the Current Systems using Object Oriented Design Principles, and Design Patterns (GoF)
* Designed and developed REST and SOAP Web Services using Spring Core and Spring Web Services for Allowing Access to Specific Properties of Loan and for Interacting between multiple web applications
* Developed and Supported Application using Angular JS for non-legacy applications
* Developed Shell Scripts and Autosys Programs for Automating Batch Jobs
* Responsible for Resolving Critical Defects (Showstoppers) for Software Releases

**Environment**: Java, J2EE, JDK 1.7, Agile, Hibernate, Spring Core, Spring Transaction, Spring WS, Spring AOP, JSF, JavaScript, AJAX, IBM BPM 8.5.5, Angular JS, SQL, PLSQL, Oracle, Apache Hadoop, Mongo DB, Jmeter, XML, Maven, CVS, SVN, Git, Weblogic Application Server, JBOSS, Unix, Windows 7

**United States Steel, Pittsburgh, PA December 2010 – June 2014**

**Software Developer**

**Project Description:**

iTrac Inventory Management System is a Supply Chain Management and Payment Processing system. Applications are developed to Track Activities and payments to outside processors more efficiently and cost effectively. The application tracks inventory and numerous activities from its production until it reaches the customer. The architecture is an Advanced Java/J2EE system.

* Developed Technical Design Documents with Flow Diagrams, Class Diagrams, and Sequence Diagrams for Web Applications and Integration Applications (Java Integration with ERP)
* Developed and Designed Applications using Agile/Scrum Methodology
* Developed and Updated Advance Customer Management System using JSF 2 (IceFaces), Hibernate (Criteria, HQL, Second Level Caching), and Spring (Spring Core, Spring Security, Spring AOP, Spring Transaction Management)
* Extensively used Core Java, Data Structures and Algorithms to Design Traffic Flow of Steel
* Extensively used Core Spring to Autowire, to Manage Dependency Injection and for Transaction Management of the Web Application.
* Worked with React JS components, Redux Forms, Events, Animations and Router.
* Extensively used Spring AOP to provide solution to cross cutting concerns like Outside Processor Validation and Logging
* Used Hibernate Criteria to Develop Flexible and Fast Search Capability for multiple fields in ASN System
* Implemented caching in Hibernate using EhCache to improve performance by caching the results
* Designed and Developed Audit Engine for iTrac Inventory Management System using Core Java, JUNIT and Spring JDBC
* Developed and created numerous PL/SQL packages in Oracle for Payment Processing Application
* Assisted in Tuning SQL Queries (Basic Tuning, Applying Oracle Hints, Applying Index as Appropriate) for iTrac to enhance the Database Performance
* Used IBM Websphere MQ to View Topic, Browse Messages in Queue and Debug Inter-System Messaging Problems.
* Implemented react JS code to handle cross browser compatibility issues in Mozilla, IE 7, 8, 9, Safari and FF.
* Assisted in Debugging Mission Critical Defects for iTrac Inventory Management System
* Developed composites using BPEL (Business Process Expression Language) a Web Service Driven Solution to interact and integrate iTrac Inventory Management System and Legacy Systems to Oracle ERP (Enterprise Resource Planning).

**Environment**: Java, J2EE, JDK 1.6, Agile, Hibernate, JSP, JSF, Core Spring, Spring AOP, Spring MVC, Oracle 11g, SQL, PL/SQL, Oracle, XML, XML Schemas, WSDL, Maven, SVN, CVS, Clearcase, IBM Websphere, Weblogic Application Server, Unix, Windows 7

**DHL, Los Angeles, CA January 2009 – December 2010**

**Software Developer**

**Project Description:**

DHL PVS Mitigation Project is an Advanced Java EE project responsible for Processing and Managing image files of DHL such as Shipment Invoice images, Delivery Sheets/Proof of Delivery and Billing Invoices. The project is responsible for Enhancing Index Update with Auto Indexing of Outbound to Inbound Records and Web Services with the capability of Advanced Search, Update and View Images.

**Responsibilities**:

* Developed Design Document by using Architecture diagrams, Flow diagrams, Class diagrams and Sequence diagrams for Designing Web Service in PVS Mitigation Project
* Designed and Developed Background Processes using Java NIO Capability (From Java 1.7) for Email WebService and FTP WebService.
* Implemented Stable React JS components and Stand-alone functions to be added to any future pages.
* Designed and Developed Web Services for Search, Update and View Images using Top-Down Approach
* Developed WSDL for Web Services as per the Specification and Requirement of the Web Application
* Developed and Generated Web Services Stubs and Client using WS Import for Weblogic Web Services
* Collaborated in developing Stateless Session Beans (EJBs) for Exposing the Methods as Web Services.
* Extensively used JAXB for marshaling and un-marshalling the response and request XMLs from Web Services for handling faults and login authentication.
* Extensively used SOAP UI, XML SPY and Weblogic Test Client for functional and performance testing of Web Services
* Developed and Tuned SQL Queries for the Web Application
* Refactored the Legacy Application to use Creational (Abstract Factory Pattern, Factory Pattern, Singleton Pattern) and Behavioral Design Patterns (Strategy Pattern).
* Used React JS for templating for faster compilation and developing reusable components.
* Assisted in creating the Build Process using Apache Ant
* Extensively used Spring Core for Dependency Injection and Transaction Management

**Environment**: Java, J2EE, JDK 1.6, Waterfall, JSP, JSF, Core Spring, Spring AOP, Oracle 11g, SQL, PL/SQL, XML, XML Schemas, WSDL, Clearcase, Weblogic Application Server, Unix, Windows 7

**Education:**

**Bachelor of Science in Electrical and Computer Engineering, University of Texas at Austin**

**Certification:**

**Certified AWS Solutions Architect**