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| |  |  | | --- | --- | | C:\Users\manjusuresh\Desktop\scjp.pngC:\Users\manjusuresh\Desktop\teradata.jpg | **Suresh Averineni (Security Cleared)**  **Certified Java /J2EE Consultant**  **Mobile : 07882587787**  **Email : suresh.averineni@gmail.com** | | | | |  |
| |  | | --- | | * Senior Java developer around 13 years of experience, worked for multiple sectors and Govt departments with various consultancies. * Result driven, enthusiastic, motivational and a team player. * Good hands-on experience with React 16 and Angular 6 frameworks using Typescript. * Micros-services development with Java 11, springboot and related tech stack. * Jenkins CI/CD pipeline configuration for building and deployment of micro-services. * Creation and deployment of docker containers on Kubernetes cluster using HELM charts. * Automation testing using Webdriver, Cucumber and Serenity BDD frameworks. * Agile development methodology using Scrum and extreme programming practices. * Understanding of deploying applications in AWS cloud environment. | |  |  |
|  |  |  |

**PROJECTS (In reverse chronological order)**

**Client: Home Office October 2020 – Till Date**

**Project: Border checks**

**java 11, React 16, Springboot microservices, Aws, Kubernetes, Helm Charts, Kafka, Docker, RESTful services, Git, Maven, Jenkins, TDD, Docker, Keycloak IDAM, Aws Cloud.**

DevelopedReact component-based UI which helps to gather various details of the individuals at the UK borders. Communicates with Restful api which integrates with Kafka streams to write the details onto postgresql database.

**Client: Home Office Jan 2020 – Sep 2020**

**Project: Biometrics**

**Aws, Kubernetes, Helm Charts, Amazon Kinesis, Cloudwatch, java 8, Springboot microservices, RESTful services, Angular 6, Git, Maven, cucumber, Jenkins, TDD, Docker, Aws Cloud.**

**Alarme** is Kinesis consumer micro-service which monitors all running microservices for application and PostgreSQL logs. It executes its own rule services and raises alerts and generates emails if any suspicious activity is detected.

**Client: Co-operative Bank June 2019 – Dec 2019**

**Industry: Digital services**

**java 8, Spring, Spring batch, Springboot, Docker, RESTful services, Angular, Git, Maven, cucumber, Jenkins, TDD, Aws Cloud.**

Currently working for various projects for Co-operative bank.

**Cashminder** application which helps the customers to create a basic bank account online. Which is Easy to apply, easy to manage and get access to online and mobile banking, so customers can see your finances anywhere, any time.

**HCC** Cooperative bank’s overdraft eligibility checker application.

SME application for creating accounts for Small and Medium sized businesses.

**Consultancy: EqualExperts Nov 2017 – May 2019**

**Client: HMRC Search (imports/exports)**

**Industry: Digital services**

**java 8, Spring, Springboot, Docker, RESTful services, Angular 6, Angular material, Elasticsearch 6.3.1, Apache spark 2.0, Hadoop Hive, Git, Maven, cucumber, Jenkins, TDD, Aws Cloud.**

Currently working for HMRC Customs Data Search project providing an ability for the customs and border force staff to search for imports and exports customs declarations made by traders.

The search service delivers declaration information fast and puts the user in control. It negates the need for the overhead and administration of requesting individual reports and the skills/training overhead. Users will have the ability to search on key data attributes for a specific declaration and view the results (header and item level). The result sets will be ordered by relevance.

The Search tool will be available to the user via a frontend web page and utilize Role Based Access Control (RBAC) to authenticate the user and protect sensitive data.

* Worked on creating Search microservice using **Springboot**.
* Dockerized applications and deployed using **Jenkins** CI.
* Worked on **Angular** concepts such as two-way data binding, structural directives, Interceptors, dependency injection, routing.
* Created reusable components with **Angular** framework
* Used **Angular material** UI designs
* Implemented Angular unit, Integration and e2e tests using **Jasmine**, **Karma** and Protractor frameworks.
* Configured field mapping types for ingesting data to **Elasticsearch**.
* Wrote **Spark** SQL to read data from **Hive** and ingest to Elasticsearch.
* Developed and deployed java **Springboot** microservices on **AWS** instances.
* Used **Jenkins** as continuous integration server for building and deploying artifacts.
* Wrote End-to-End automation tests using selenium webdriver against **selenium** **grid**.

**Consultancy: EqualExperts Mar 2017 – Oct 2017**

**Client: HMRC Rehoming**

**Industry: Digital services**

**Java, ELK stack, Docker, Microservices, Jenkins**

Worked for HMRC on the rehoming project migrating legacy Java/Spring applications into a new cloud ecosystem based on Java containerized microservices.

As part of the HMRC Digital Tax Platform project we are moving most of the HMRC services from the legacy platform to the new digital tax platform (MDTP). This strategic platform provides new resilient system and offers significant savings on the hosting costs.

* Worked in **agile** kanban methodology.
* Rehomed the applications from scrath, configured maven and jenkins.
* Wrote unit, integration and acceptance tests to make sure application works as expected.
* Developed and deployed java based **microservices** on **AWS** instances.
* Used **Jenkins** as continuous integration server for building and deploying artifacts.

**Consultancy: EqualExperts May 2016 – Feb 2017**

**Client: Coop funeralcare**

**Industry: Funeral services**

**Python, Django, Postgres and ElasticSearch**

The Co-op is the UK’s largest funeral business, arranging around 90,000 funerals each year. Working with a large agile team to help digital transformation of COOP Funeral Care service, replacing old fashioned paper-based model with technology based solution. Developing closely with subject matter experts and UX designers to rapidly prototype and produce solutions. Improving the application based on feedback from the users after every sprint, application helped the client to fulfill their vision by giving more time to funeral directors to spend with clients.

* Worked in **agile** scrum methodology.
* All environments are **AWS** instances, hands-on experience with deploying and configuring the applications.
* Developed Dockerised Spring based **microservices** to create modular application.
* Extensively used **restful** web services.
* Used **Jenkins** as continuous integration server for building and deploying artifacts.

**Client: Sopra Steria (Coop Bank) Oct 2015 – Apr 2016**

**Industry: Banking**

**Agile SCRUM, TDD, Spring Framework 4.1.1, Spring Integration 4.0.4, Spring batch 3.0.1, Java1.7, Eclipse Link 2.5.2, Java Concurrent API, EJB 3.0, JMS, WebSphere Application Server v8.5.5, RESTful web services (JAX-RS 2.0), JSON, Oracle 11g, Junit, Mockito, Linux Centos 6.5, Windows XP, SVN, Jira, Jenkins, Net Beans 8.0, Maven**

The Digital Program aim to reduce the Bank’s cost base, sell new accounts to existing customers and remove barriers to attracting and retaining customers by providing highly-functional and convenient online self-service internet and mobile channels, encourage existing customers to shift away from assisted branch and telephony channels and offer targeted products online based on customer circumstances and behavior.

* Coded DAOs to persist mid-tier data using JPA with Hibernate.
* Defined messaging gateways for customer account services using Spring integration
* Configured inbound out bound channels.
* Configured and Implemented Inbound/outbound Message transformers between java objects and fixed length string records to mainframe endpoints.
* Configured JMS message queues.
* Designed and developed Alerting Framework.
* Implemented filter DAOs to enable release of services without affecting other services so that QA can be restricted to newly added or modified services.
* unit testing using JUnit and Mockito
* Integration and container tests for using embedded j2ee container.

**Client: MoneySuperMarket Sep 2014 – Sep2015**

**Industry: Price Comparison**

**Project: Aggregation**

Rebuilding a large price comparison site from the ground up with brand new technology stack.

A highly scalable web portal compares carhires, flights, hotels and holidays across multiple providers.

**Key responsibilities:**

* Development environment Linux **Ubuntu**.
* Developed **Restful** micro services using **Play** framework.
* Designed **Akka** actors for asynchronous messaging passing.
* Developed code following **SOLID** principles and Object **Immutability** patterns.
* Used **Redis** for caching the data.
* Indexed huge amounts of data with **Elastic** **search**.
* Designed **MongoDB** Queries to retrieve collections.
* Used Mingle to define **BDD** scenarios discussing with QA and BA.
* JUnit, Powermock and Mockito for test driven development
* Used Maven, **Git**, hubflow, Github and **Jenkins** for continuous integration
* Used **cucumber** JVM as BDD tool and wrote end to end automation tests
* Application is running using **AWS** cloud infrastructure.

**Client: SKY Mar 2014 – August 2014**

**Industry: Media**

**Project: Offline Field Sales**

Offline Field Sales is an IPAD PhoneGap application developed for Sky Business to deliver an improved field sales solution that gives the sales team an offline capability. This will allow certain critical actions to be completed when there is limited or no connectivity.

The project includes restful web services to support ipad app front end system and SOAP JMS calls to interface and synchronize all the actions performed with centralized application using WebSphere message broker.

**Key responsibilities:**

* Development environment Linux **CentOS** and Tomcat.
* Developed **Spring** Restful web services and used Rest Template for testing.
* Used JAXB marshaller/unmarshaller for sending request/reply **WSDL** operations.
* Behavior Driven Development (**BDD**) using Cucumber/Java
* Pair programming using **TDD** using Junit/Mockito.
* Spring **JmsTemplate** to push messages on to the WebSphere message broker.
* Used **Liquibase** for applying database schema changes.
* Used **Mybatis** as persistence framework to perform CRUD operations.

**Client: Highways Agency Sep 2012 – Feb 2014**

**Industry: Transport**

**Project: NTIS**

Worked on **National Traffic Information System** project, this is a Highways Agency project involves in collecting the traffic data from many different sources, processing the data, disseminating it to the subscribers and displaying it on a Website.   
  
**Environment: Java 1.6, Java/J2EE, Spring MVC, Spring Security, Hibernate, JBoss ESB, JBoss AS, Drools, Gradle, GIT, Gerrit, Artifactory, Jenkins (CI), Wiser, Mockito, jUnit, Fitnesse, Webdriver, Velocity template engine, JAXB, Xpath, XSL, SOAPUI, Restful and SOAP based web services, Oracle 11g.**

* Actively involved in agile **Scrumban** methodology in implementing the project iterations.
* Worked closely with clients, project managers, business analyst and development teams to ensure all aspects of the project life cycle, systems development & integration are covered, identifying dependencies and impacts.
* Used **Fitnesse** BDD tool to write the acceptance test criteria from the business analysts and testers.
* Used **Jboss ESB** to run scheduled services to fetch, process and disseminate data to various subscribers.
* Configured **JMS** **Topics** for asynchronous messaging using HornetQ in Jboss application server 5.3.
* Used **Spring MVC** to develop Restful web services to receive and respond with Json.
* Used **JAX-WS** to generate and web services and web service clients to process SOAP based XML.
* Used **JAXB** 2.0 to generate classes from XSDs.
* Worked extensively with XML, XSD, Xpath and generating **WSDL** documents.
* Used Hibernate **HQL** for CRUD operations in the persistence layer.
* Written high quality code using **SOLID** principles and refactoring techniques.
* Created **Velocity** templates for generating xml and email contents.
* Used **Github** to share reference implementation code with clients.
* Used **Git** for version control and source code management tool.
* Used **Gerrit** as a web-based source code reviewing tool.
* Used **Jenkins**, Artifactory and Sonar for continuous integration.

**Client: Auto Trader/Trader Media Jan 2011 – Aug 2012**

**Industry: Digial Marketing**

**Project: Razsor**

Working on Razsor project, a platform which facilitates used car dealers to create and manage highly SEO optimized websites, effectively resulting in higher number of leads.  
  
Project has adopted agile extreme programming mode of development. I have involved in TDD, pair programming and used best practices such as lean code and use of refactoring. We are using kanban to manage the workflow. Used Behaviour driven development sitting along with QA and BA in defining scenarios to test and develop.

* Involved in implementing the annotations based Spring 3.0 MVC, IOC, and AOP modules.
* Effectively used **JQuery** to update the rendered Dom elements for seamless user experience.
* Effectively involved in coding the annotated Persistent Domain classes with **Hibernate** as part of persistence layer.
* Configured Hibernate Transaction API and various **optimistic lock** modes supported in Hibernate.
* Effectively configured Hibernate **bidirectional** associations
* Effectively configured and implemented Hibernate **Inheritance** strategies
* **Oracle 11g** database and Hibernate for persistence
* Used ThoughtWorks Twist IDE for **automated acceptance tests using selenium.**
* Used Thoughtworks Go for **continuous deployment**.
* Used ThoughtWorks Mingle to define **BDD** scenarios discussing with QA and BA.
* JUnit and Mockito for test driven development
* Use of Sonar and PMD rules for coding best practices and quality of code.

**Client: UFI (learndirect), UK October 2009 – Nov 2010**

**Industry: E-learning**

**Project: Service Offering - 2**

**Environment: J2EE, Java 1.6, JAX-WS 2.1, SOAP 1.2, WSDL 1.1,SOAP Ui 3.0.1, JBoss 4.x, Spring 2.5.x, Jquery 1.4, Hibernate 3.3.x, JUnit 4.x,JWebunit, Open SSO, Sun Identity Manager, Struts 2.0, MyEclipse 7.0, Cruise Control for Continuous Integration, Agile Programming Methodology.**

**Role: Senior Java Developer**

An online portal funded by UK government for learners, provides single-sign on facility across varied systems. Registers customer across the system and checks their funding eligibility based on the preset criteria. It helps the prospective customers to login and maintain a portfolio of courses and certifications. The application integrates with many heterogeneous systems like Experian to validate the identity of the customer and to determine their funding eligibity.

* J2EE developer on a critical project to bring the core **e-learning** system (LSE) on line.
* Used Struts 2.0 framework to build UI, **Spring** to build the service layer, effectively coded the model with Object relation modeling API **Hibernate**.
* Used Spring MVC framework to build UI, **Spring** to build the service layer, effectively coded the model with Object relation modeling API **Hibernate**.
* Effectively implemented and configured complex **spring controller** components
* Implemented Programmatic **Spring validations** and also configured declarative apache commons validator XML files.
* Actively participated and effectively communicated the issues related to my chores in the daily **scrum** **meetings**.
* Made use of **Agile** **software** **methodology**, pair programming, continuous integration and Re-factoring.
* Effectively configured hibernate ORM with the **Spring** framework configurations utilizing the application server’s capabilities.
* Effectively used SOAP based **JAX-WS** web services to interact with the **Experian** web services to validate the user identity.
* Effectively involved in coding the Persistent Domain classes with **Hibernate** as part of persistence layer.
* Configured Hibernate Transaction API and various optimistic lock modes supported in Hibernate

**Client: Cunningham Lindsey IT Services, UK Apr 2009 – Sep 2009**

**Industry: Insurance and Finance**

**Project: Global Claims Information System**

**Environment: J2EE, JSP, Java 1.5,JDBC,Struts 2.0, Spring 2.5.4,J2EE JPA - Hibernate 3.2.4, Junit, Jmock, Clover, WebSphere 6.1, MyEclipse 6.1 blue,** **Oracle 9i, Fish eye, Eclipse 3.3, Ajax, Jquery, ,SubVersion, Hudson, XML, XML Schema, XSL 2.0, XSLT, XPATH , HTML, CSS, JSP Taglibs, CVS, Java–J2EE design patterns, Agile Scrum, Iterative, XP and TDD Practice, UML, MS-Visio, Maven 2.0, Spring Web Services,SOAP,WSDL**

**Role: Senior Java Developer**

The Global Integration project is a Strategic Business Initiative to unify Insurance Claims systems of five companies (in various countries) in the Cunningham & Lindsey group. The fundamental goal is to achieve "live and continuous" data integration & migration operation between 5 different systems, and to present a unified front-end portal to global customers.

**Responsibilities:**

* Participated in configuring the application and setting up the development environment.
* Participated in the complete **life cycle** of development, from the design phase to the testing phase and deployment.
* Involved in projects high level and low-level designing.
* Involved in coding of various layers of the application development.
* Effectively used **Microsoft-Visio** 2003, for representing **UML** class, Usecase and Sequence Diagrams.
* Effectively configured **Datasource** and SMTP services on WebSphere application server.
* Involved in packaging and deploying the application onto **Websphere** server
* Involved in configuration of the **Spring** context files for various bean definitions.
* Configured and **integrated Spring** with Object Relational Persistence Framework Hibernate.
* Customized and integrated Spring **ACEGI** as security framework for the application
* Coded and configured complex **J2EE JPA** object inheritance strategies.
* Implemented **JPA** annotation-based **object associations** with bidirectional mapping
* Designed and developed the module, which integrated with existing systems using web services and was developed with Spring and Hibernate at the core.
* Effectively developed **Javascript** UI framework to provide Tabbed panes, navigation tree and menu bar features.
* Developed search screen Web interfaces with XMLHTTPREQUEST using **AJAX** for faster and better user experience.
* Developed XML/XSL layer inside existing Websphere application, allowing pages to be displayed via XSL transformations rather than JSP.
* Configured **Log4j** for effective logging for the tracing and debugging process.
* Effectively used **JUNIT** for implementing unit test cases.
* Involved in setting up the **Oracle** database and running the scripts for data dumps.
* Used Oracle SQL, **stored procedures** and triggers.
* Troubleshooting Oracle **stored procedures** to solve day-to-day support issues.
* Effectively involved in analyzing and explaining the complex usecases to the team.
* Successfully implemented and tested all the stories assigned in every **Sprint**.
* Successfully experimented and achieved **spike** solutions on the fly.
* Effectively participated in Test Driven Development (TDD) and pair programming

**Client: Cunningham Lindsey IT Services, UK Aug 2008 – Mar 2009**

**Industry: Insurance and Finance**

**Project: AuditLink**

**Environment: J2EE, JSP, Java 1.5, Spring MVC, Spring 2.5.4, Hibernate 3.2.4, TML, CSS, Ajax, XML, XML Schema, XSL 2.0, XSLT, XPATH, Junit, Jmock, Clover, Java –J2EE design patterns WebSphere 6.1, MyEclipse 6.0, Oracle 10g, Fish eye, Eclipse 3.3, CVS, Agile Scrum Iterative development, Jfreechart 1.0.13, Maven 2.0, UML, MS-Visio**

**Role: Senior Java Developer**

To create a more robust integrated audit process that will enable Cunningham Lindsey to perform audits and run MI more reliably and effectively than through the current individually designed Excel based spreadsheets.

**Responsibilities:**

* Effectively participated in the requirements gathering and designing.
* Participated in analyzing and developing prototypes of state of art technologies to provide efficient solutions to the project.
* Participated in the complete **life cycle** of development, from the design phase to the testing phase and deployment.
* Involved in coding of various layers of the application development.
* Implemented users, roles and permission to provide feature wise access based on the logged in user’s role permissions.
* Effectively used **Microsoft-Visio** 2003, for representing UML class, Usecase and Sequence Diagrams.
* Customized the **Jfreechart** API to implement Gantt Charts for an instruction.
* Gantt Charts depicting instruction stages and duration of their completion based on the tasks assigned.
* Effectively configured **Datasource** and SMTP services on WebSphere application server.
* Involved in design, development and maintenance of Oracle SQL.
* Extensively used Spring's **HibernateTemplate** API to communicate with Hibernate’s ORM.
* Extensively used **Spring remote EJB** invocation for invoking legacy code.
* Involved in configuration of the **Spring** context files for various bean definitions.
* Configured and **integrated Spring** with Object Relational Persistence Framework Hibernate.
* Customized and integrated Spring **ACEGI** as security framework for the application
* Effectively implemented Hibernate class associations **one-to-many and many-to-many** associations
* Effectively configured Hibernate **bidirectional** associations
* Effectively configured and implemented Hibernate **Inheritance** strategies
* Based on the application function functionality effectively designed Hibernate’s different **cascade** options.
* Configured Hibernate **Transaction** API and various optimistic lock modes supported in Hibernate
* Involved in **Scrum** development Agile methodology and actively participated in Client interactions.
* Participated in developing **customer tests** to depict actual business rules in a story.
* Used ant for building the project.
* Effectively delivered the tasks in time after successful **unit and integration testing**.
* Effectively delivered the **bug fixes** reported after each increment of development.