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**SUMMARY**

* 11+years of IT experience in Web development, n-tier Enterprise Distributed Application development using **AWS**, **JAVA**, **SPRINGBOOT**, Micro Services, **Rest Services**, **LAMBDA**, JSP, Struts Framework, Spring JDBC, Oracle, XML, GWT, EJB, Oracle Business Rules, Data Science, **Python**, Automation frameworks like Karate, Selenium, Katalon Studio, Google Cloud Platform, Big Query, Pivotal Could Foundry, Jenkins, in GCP, AWS cloud platform.
* Experience with all facets of software development life cycle **SDLC** that includes Requirements, Design, Development, Testing, Implementation and Maintenance.
* Experience working in cloud platforms like **AWS, GCP.** Strong knowledge in deploying code in EKS clusters using Kubernetes.
* Hands on experience in implementing an DevOps pipeline using **Jenkins** and the **AWS CI / CD** tool sets
* Experience on managing and supporting Kubernetes.
* Hands-on experience with **EC2**, **EBS**, **S3**, **VPC**, **SQS**, **RDS**, **Lambda**, **Cloud Watch**, Elastic search, Splunk, Elastic Beanstalk and Autoscaling
* Experience on various AWS features like **Lambda, S3, EC2**.
* Experience working on **J2EE** platform using Spring, JSP, GWT, Servlets with Application Servers like WebLogic, OC4J, Web Sphere, Apache Tomcat.
* Strong expertise in developing user-friendly web interfaces using **HTML, JSP technology**
* Strong technical background in **N-tier Architecture** with knowledge in Distributed technologies.
* Hands-on experience with database systems Oracle, SQL Server, Big Query to manage tables, views, indexes, stored procedures
* Extensive work experience working with database tools like SQL developer, for Oracle database.
* Workday day migration from legacy Mainframe dependent applications.
* Flexible thinking, fast learning/implementation capabilities and has strong analytical skills
* Excellent verbal and written communication skills and the ability to work well in a team or individual environment.
* Self-motivated, able to set effective priority to achieve immediate and long-term goals.

**TECHNICAL SKILLS**

Operating Systems : Windows, UNIX, LINUX.

Cloud Platform : AWS, GCP

Languages  : Java, J2EE, Python, SQL, JSP, Selenium

RDBMS : SQL Server, Oracle10g.

GUI Technologies : HTML, CSS, XML, JavaScript, J-Query, JSP, GWT

Cloud : AWS, GCP

Java IDE Tools : IBM RAD, Eclipse, STS, JDeveloper, IntelliJ

Java Web Tech .: Servlets, JSP, JSTL and Custom Tag Libraries.

J2EE Technologies: Spring-JDBC, JNDI, Junit, Oracle Rules Author.

Application Servers: IBM-Web-Sphere6.1,J-Boss4.x,OC4j,ApacheTomcat7.x : Weblogic-10g and 11g,OC4J.

Frameworks: Spring 3.0 Struts 2.0, Spring Boot.

Open Source : Log4J, J-Unit.

Version Control : SVN, CLEARCASE, GITHUB, BITBUCKET

Rules Engine : Oracle Business Rules.

Other : Agile, Maven Repository, Version One, Workday Automation

**EDUCATION**

**Bachelor of Engineering**

SRM Easwari Engineering College, Madras University, INDIA.

1998-2002

**CERTIFICATION**

**SCJP** (Sun Certified Java Programmer)

**Self Learnt Technologies:**

**Data Science:** Took Udemy, Coursera courses and have educated my-self much on Supervised, Un Supervised learning. Using different models like Random Forest, Support vector machine, logistic regression, linear regression, have gained knowledge to reduce error and improve the training time. Proficiency in using **Jupyter** notes which came with the anaconda installation for programming the models using Python and the powerful libraries like **Pandas**, **Numpy**, **SKLearn**.

**Angular: Completed a Udemy course on the Angular Framework, gaining familiarity with the interaction between components, modules, and services.**

**Professional Experience**

**Client: Cox Automotive, GA**

**Duration: May 2021 – Nov 2023**

**Role: Senior Software Engineer**

As Sr. Software Consultant general duties includes Software Analysis, Analysis of goals, operating environment, product functionality, user characteristics (software/hardware requirements), Develop & initiate quality standards for software tools to implement new versions; Prepare Software Technical Documentation.

Work with product team to design a full-stack solution using software that fully integrates with existing cloud infrastructure from data flow, security, DevOps, and other standpoints; Propose suggestions and best practices to optimize customers' cloud presence, performance, security, and cost; Carry out debugging, troubleshooting, modifications, and unit testing of custom solutions built on the organization platform; Develop new specs, documentation; Partake in the development of technical procedures and user support guides; Responsible for the creation of a well-informed cloud strategy and administer the adaption process; Evaluate cloud applications, hardware, and software at regular intervals; Develop and organize cloud systems and work closely with IT security to monitor the company's cloud privacy; Provide prompt response to technical issues in a professional manner;

Responsibilities:

• Analyzing enterprise user needs and software requirements.

• Design, develop and modify Cox enterprise software systems using microservice architecture.

• Develop Lambda Rest API services.

• Develop software system testing and validation procedures, programming.

• Evaluate information on factors such as reporting formats to suit enterprise needs.

• Work in SDLC/ Scrum using Rally, JIRA, Confluence etc.

• Database management software such as Oracle, PL/SQL, MySQL, DynamoDB etc.

• Configuration management software AWS CloudFormation, SAM, YAML etc.

• Object/component-oriented environment software such as Java/J2EE, Angular, AWS Lambda, Tomcat, Apache HTTPD, HTML, CSS, JavaScript etc.

• Enterprise application integration software such as REST API, Spring Framework etc.

• Program testing software such as Junit, Cucumber etc.

• Web platform development software Angular JS, Sencha etc.

• Continuous Integration and deployment software such as AWS CloudFormation,

• Cloud environment using AWS Services: AWS VPC, AWS IAM, AWS ELB, AWS CloudWatch Logs, AWS S3, AWS Kinesis, AWS CloudWatch metrics, AWS SSM, AWS secrets manager AWS Lambda, Step functions, API gateway etc.

Achievements:

• Implemented a real time vehicle tracking solution at all Manheim site locations.

• The solution enables the life cycle management of vehicle through various stages of reconditioning, auction, storage and final customer delivery.

• The solution enabled real time differential storage pricing structure based on available lots, which increased the storage revenue by 27% YOY.

• The solution was appreciated and awarded in CXO (CIO, CTO, etc.) meet for one of the key reasons for an exceptional business growth.

Applications: Recon Retail Platform

**Tech Stack:**

Cloud: AWS, Lambda

Logging: Cloud watch, Kinesis, Splunk Cloud.

Documentation: Lucid Chart, SharePoint

Stack: Docker, S3, EC2, Lambda, Jenkins, SQS, Kinesis, JAVA, Dynamo DB, Oracle DB, PL/SQL, Dart, Flutter, NodeJS.

**Client: Equifax, Alpharetta, GA**

**Duration: Sep 2019 - Dec 2020**

**Role: Squad Lead (Senior Software Engineer)**

**Employer: Agile Resources, Inc**

Lead a team of 5 responsible for delivering the features and product requested by the stakeholders. Our agile team was responsible to deliver and maintain applications critical to the Global consumers business unit. Including delivering alerts to customers using Message delivery microservice and AWS Lambda serverless solution, establishing event management dataflow to GCP, Message using Spring-XD Streams, Batch processing using Spring Batch were some of the responsibilities. Transformation of the consumer alerting system (average 17M/day, serving 90M consumers) and delivering new consumer alerts and credit reports for the paid products offered on my.equifax.com was my team's responsibility. Managed four teams with annual revenue of $60M. My teams consisted of Dev, QA, Scrum Master and SRE engineers.

Applications:

Message delivery micro service, Spring XD Streaming application, Batch Admin, 3B Monitoring Custom Job.

**Responsibilities:**

* Delivered first two paid products (Credit Monitor & Equifax Complete) on my.equifax.com.
* Implemented a serverless architecture using SQS, Lambda, GCP Pub/Sub. Created a Lambda deployment function and configured to deliver messages to the Pub/Sub topic.
* Implemented varied Batch jobs leveraging AWS Batch Lambda in integration with Cloud watch events and MongoDB, DynamoDB as underlying persistent stores.
* Implemented Auto Fraud Alert renewal using Lambda functions (Python) for processing events from SQS Queues and persisting the data to Dynamo DB and failed events to dead letter Queue after configured retries.
* Worked extensively with SRE in migrating the inhouse app to AWS cloud platform, configuring EKS, Autoscaling, S3, SQS, Lambda, SNS and Route53.
* Designed and developed strategic design and requirements as a major contributor to a project's success for large revenue generating systems/products.
* As a lead my role was to Identify improvements in systems and work and participate in estimation process, use case specifications, reviews of test plans and test cases, requirements, and project planning.
* Collaborated in creating and utilizing tools to monitor our applications and services in the cloud including system health indicators, trend identification, and anomaly detection.
* Worked with development teams to help engineer scalable, reliable, and resilient software running in the cloud.
* I was able to provide technical guidance, supervise team members, provide instructions, and debug code written by team members.
* Guided and mentored junior developers in developing code and workflow procedures, and conduct code reviews.
* People management, making sure the team is in check.
* Consistently hit development time estimates without underestimating or overestimating and provide the delivery manager with consistent updates.
* Performed general application development activities, including unit testing, code deployment to development environment and technical documentation.
* Responsible for monitoring and maintaining the monitoring dashboards for applications we supported using technologies like Kibana, Grafana, Kinesis and Log stream.
* Responsible for making sure the applications are PCI compliant by providing data and proof the required compliance is met.
* Vulnerability maintenance identified through Fortify scan, Nexus IQ scan, Sonar Qube.
* Responsible for Cross team coordination within the tribe to complete the feature.
* Self-starter, motivated, and actively learning and researching new methods of work and new technology.

**Tech Stack:**

**Cloud: AWS, GCP.**

**Logging: Kibana, Cloud watch, Kinesis, FluentD, Grafana, Stack Driver**

**Documentation: Confluence, Jira**

**Load: JMeter, Apica Synthetic monitor (Zebra)**

**Automation: Cucumber**

**Stack: Kubernetes, Docker, S3, EC2, EKS, Lambda, Jenkins, SpringXD, RabbitMQ, Kafka, GCP Dataflow, JAVA.**

**Client: Home Depot, Marietta, GA**

**Duration: October 2017 – September 2019**

**Role: Senior Software Engineer**

* Designed and developed microservices to consume THD associate information from Workday cloud and expose to THD applications
* Designed, developed the PII compliance architecture to secure the associate restricted information details
* Designed and developed a complete solution using Spring Batch for Knowledge Depot application connecting to Oracle DB.
* Developed solution for Mainframe migration application called EPR using JAVA and Cron functionality. Server was hosted in Pivotal Cloud Foundry connecting to DB2 database.

**Environment:**

* Google cloud factory, Spring Boot, Spring Batch, Rest Service, Google App engine, Big Query,

**Full stack developer Lead responsible for building the CI Pipeline for all the applications. Built Automation framework for Workday Application using Karate framework, Selenium and Katalon studio.**

**Responsibilities**:

* As a full stack developer set the Jenkins Pipeline for Kornos automation project.
* Used docker server and wrote scripts to migrate expiring server set up to new one.
* Guide and help other team members to set their Jenkins Pipeline with customized set up for every different project.
* Developed Automation script for Kronos application using selenium and Sikuli for few flash related solution.
* Developed automation framework for integration testing of the workday application with internal systems.
* Developed workday health check tool to identifying any business process change.
* Took training in React JS and developed a front end for customizing the test run for a product owner from the click of a button.
* Developed Rest microservice to convert employee review documents to PDF for workday effort.
* Developed Python script to compare data as a part of data validation for Workday effort.
* Developed Inbound and Outbound integrations for Workday integration with third party vendors.

**Environment:**

**IntelliJ, Selenium, ReactJS, JAVA, Karate framework, Cassandra, Katalon Studio.**

**Client: Oracle Corporation (Micros), Westmont IL**

**Duration: Oct 2014 – June 2017**

**Role: Senior Software Engineer**

**Responsibilities**:

* As J2EE senior engineer successfully launched the upgrades.
* Implemented complete checkout redesign with the ability for the customer to save multiple payment methods using Spring MVC.
* Implemented PayPal Integration for the Spencer’s site and worked with the client and paypal team on it.
* Provided solution for Customer Email using the email templates and velocity manager to be able to use the template and dynamically handle the order process.
* Provided solution using Canonicals, Ensighten to improve link and ranking of the website.
* Solar search engine integration to the project.
* Responsible for creating end points for client for the Rest Web services exposed from our side.
* Implemented Orders per minute spring batch job to help the clients monitor the volume of orders passing through the holiday season for Lilly Pulitzer.
* Fine-tuned the application to reduce the slowness of order display for Whirlpool client by implementing Java standards.

**Environment:**

**Tomcat, IntelliJ, SVN, Unix, SQL Server, J2EE, JQuery, JSP, JSTL, Tags, SOLR, Spring MVC, Order Management.**

**Clients**

**Spencer Gifts, Lily Pulitzer**

**Oracle ECommerce provides the Omni channel solution for the clients. Oracle Modern cloud platform is the new buzz.**

**Spencer gifts -** Spencers is an ecommerce site who specializes in Halloween costumes and gifts.

**Lily Pulitzer** - Lily Pulitzer is an ecommerce site who implemented the cloud platform with OCP commerce service.

**Whirlpool -** World wide ecommerce giant in the retail business who supplies appliances.

**Micros Retail , Westmont ,IL ( Acquired By Oracle Later)**

**Clients Charming Shoppes, Hannaford, Cabelas.**

**Mar 2014 – June 2014**

**Role Senior Software Engineer**

MICROS retail provides e-commerce solutions. We develop solutions for all the channels, enabling cross-channel sales and allowing the various customers to share information without barriers. Furthermore, the solutions are written so that they easily integrate with legacy systems.

During this tenure, I have been closely working with clients CSI, Hannaford, Cabela’s, on design and developments of their retail systems along with production support and maintenance.

**CSI** Charming Shoppe Inc is an eCommerce Storefront, is implemented with OCP Framework 4.0, and designed and developed multiple shipping address features and other enhancements.

**Hannaford** Implemented Disaster recovery strategy and set up the enviroment.

**Cabelas** The Site is also integrated with Cybersource for the Credit Card Authorizations, and settlements.

**Responsibilities**:

* As J2EE senior engineer successfully launched the upgrades.
* Implemented with OCP Framework, and the storefront is also the place where it markets and shares the fishing, shooting and other outdoor items.
* Involved in the disaster recovery set up, provided support to resolve any issues and actively involved in business meetings.
* Worked on the OCP 6.0 upgrade and migration from JBoss to tomcat server. Also prepared the holiday load test scripts, and successfully implemented the critical security fixes.

**Environment:**

**Tomcat, IntelliJ, SVN, Unix, SQL Server, J2EE, JQuery, JSP, JSTL, Tags, Lucene.**

**Client: CCC Information Services, Chicago, IL**

**Duration: May 2011 – Mar 2014**

**Role: Java Software Engineer II**

**Project- CCC ONE WorkflowEngine(Auto Approve, Intelligent Routing )**

CCC One Workflow is a web portal application to improve claims management process for the customers. New highlights of this application are Auto Approve, Intelligent Routing, Claims Search.

**Auto Approve** is the application to automatically approve estimates based on characteristics of the estimate and claim and using Oracle Business rules tool to determine which action to take. This also eliminates manual estimate review and re-inspection tasks, when returned estimates meet an insurance carriers business rules. ***Intelligent*** ***Routing*** enables customized workflows and/or centralization by routing claims to specialized groups on the insurance carriers configured business rules. The application was host in a Unix machine on a OC4J Application server.Oracle10g Database was used for persisting data. Later migrated to Weblogic 10g and then to 11g.

**Responsibilities**:

* Responsible for the development and implementation of the Auto Approve module using Oracle business rules engine.
* Developed code to integrate rule engine with the messaging system queues using MDBs .
* Business rules were developed and configured using the J-developer
* Used Spring JDBC to connect to the Oracle Database.
* Managed SQLs and Stored Procedures.
* Developed Shell scripts to auto deploy and batch loading of rules.
* Developed J-unit test cases to unit test the application functionality.
* Responsible for Integration testing the application using the FIT test methodology.
* Used J-mockit to mock the objects including result set required to do the integration testing.
* Responsible for building the Facts and Dictionaries for Oracle Rules Engine.
* Scrum Agile software development methodology used.

**Environment:**

**WebLogic, OC4J, Unix, Java, J2EE, Eclipse with Maven, SVN, Oracle 10g, JQuery, JSP, HTML**

**Client: CCC Information Services, Chicago ,IL**

**Project: Overdue-Alert-Framework**

Overdue alert framework is an application to notify customers on items that are due based on the clients requirement. The implementation involved using Spring Batch job and quartz scheduler to trigger the job. Spring batch admin implementation to monitor the jobs through console.

**Responsibilities:**

* Responsible for development and implementation of spring batch job which is an emerging powerful technology for batch jobs
* Developed application using spring framework. Configured database tables to support the spring batch job functionality and quartz scheduler implementation.
* Oracle database and SQL developer used in implementing the requirement.
* AQ queue was used to publish the overdue items the queue which was consumed by MDB.
* The items that are due were tracked using the mdb and database table involved in implementing the functionality.
* Once the expected business event arrived engine was used to track the events to determine if the events are due.
* Spring batch admin configured to monitor the jobs through console and relaunch them if required.

**Client: CCC Information Services, Chicago ,IL**

**Project: Configurable Worklist / Workview**

Configurable Workflow is a feature available within the Portal. Its primary operation include :

A CCC Portal admin user defines configurable worklists and dynamic membership groups, and associates worklists to groups.

A CCC Portal user belonging to a dynamic group executes configurable worklists to views totals and detailed results.

Configurable worklist results support drill down to claim detail, from which users can perform existing actions on individual claims, as well as batch actions on multiple claims.

Portal user executes private searches to view results and claim details, from which users can perform existing actions on individual claims.

**Responsibilities:**

* Responsible for developing a module in the application for Peer to Peer View.
* Insurance company clients focused on productivity gains for their teams especially in the case where the work is unevenly distributed or someone is out (unavailable). They want to see the work of another member of their team and do the work without necessarily having to reassign themselves to the work. Other customers want to reassign themselves to a handful of claims but without having to go to other screens – like assignment entry or assign reinspector.
* Batch action was other functionality I was responsible for.User when viewing the claim may decide to perform action like close the claim or Assign the claim to self.The functionality to perform those action was implemented by using the properties of Resultgrid in GWT and Java.
* Implemented/Used Smart-GWT components to create the UI for the Peer to Peer view
* Spring jdbc used for Database calls.

**Environment:**

**Weblogic- 11g, Oracle database, Stored Procedures, Spring, XML and XMLParsing .**

**Client: CompuSystems Inc, Broadview, IL**

**Duration: JAN 2010 – Feb 2011**

**Role: Java/J2EE Developer**

**Project: ESG Online Ordering, Housing On peak**

ESG online ordering is a web based application for Online Lead retrieval products by the Exhibitors participating in the trade show. The application allows the Exhibitor to order the products required for the Trade show like the Badge Scanner, Custom Qualifiers etc. The Application was developed using Java, J2EE technology. Ingres is the backend database server used to store the data. SQL queries were used to pull data using JDBC connection and the application runs on UNIX OS and Apache Tomcat is the application server used.

**Responsibilities**:

* Responsible for Enhancement work in the application like adding new products to the lead retrieval ordering option and making necessary changes to make the page navigation flow according to the requirement**.**
* Developed code for the Housing project to send confirmation email to the exhibitors when they make reservation for Air, Hotel or Car..
* The confirmation Email template was developed using the RTF file.
* Was responsible for the JSP changes for the web page and also functionality changes to the application according to the new FRS.
* Also was responsible to fix bugs occurring in other application assigned through Mantis ticketing system.
* Did manual testing in the development environment and was responsible for requesting the file migration
* Responsible for writing test case so that the QA team could test the application changes made, in the test environment.

**Environment: ApacheTomcat, Unix, Java, J2EE, Eclipse, CVS, Ingres Database, JQuery, JSP, HTML.**