**Dhanalakshmi   
+1 425-394-2374**

[**dhana.devpro@gmail.com**](mailto:dhana.devpro@gmail.com)

[https://www.linkedin.com/in/dhanadevpro/](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fin%2Fdhanadevpro%2F&data=05%7C02%7CMukesh.Sn%40pyramidci.com%7Ce054e48703834092eef708dc4f556e8c%7C6c4e0f6700c8475bb1d4cf723426db0b%7C0%7C0%7C638472475568920946%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=zfN2AdFBiti1uFnSUWUfC71Xb9h1IdXELTOIJ8kYyAM%3D&reserved=0)

**Professional Summary:**

* Lead Developer with extensive experience in complete Software Development Life Cycle process in a Java based environment that includes Requirements gathering, analysis, design, development, testing and implementation.
* Experience in Retail, HealthCare, ecommerce, Insurance, Cruising and Banking Domains.
* Data Ingestion pipeline using AWS.
* Experience in implementing business components using Spring modules like Spring IoC, JDBC, spring batch, Spring MVC, Spring BOOT, Spring Data and Spring Cloud Stream.
* Experience in implementing applications using Open-Source framework Spring Boot, Spring Cloud Netflix (Eureka Server), Spring Data, Spring (IoC, Web, Data Access/Integration and Webservices REST/SOAP.
* Proficient in modernizing legacy stacks, including upgrading Spring Boot (to 3.x), Python (to 3.12), and Node.js (to 20.x) for better performance, security, and compliance.
* Creating components using angular and routing to the next page based on the workflow.
* Integrate the Rule Engine with Spring boot microservice and then validate the data.
* Monitoring the logs in splunk and Aws Cloud Watch once after deployment.
* Experience in working with SQL and NoSQL databases including MongoDB.
* Implementing JWT for authenticating and security for invoking of API calls.
* Excellent implementation knowledge of web client development using JSF, ICE faces, JSP, JSTL, jQuery, JSON, Responsive Web Design, HTML, DHTML, CSS, JavaScript, Angular.
* Experience in developing REST webservices (JAX-RS) to handle different data formats like JSON, XML.
* Understanding the Security of the microservices using OAuth2. Understanding the business requirements and doing the analysis.
* Accessing the Cloud configuration management from the application and using the data configs for connecting.
* Migrated Legacy data-integration module data which is in Oracle as backend to MongoDB 2.6.
* Designed the structure and schema in monody and querying CRUD operations from repository and using mongo Template methods.
* Created a new pricing API using Spring Boot and querying the Mongo DB using spring data module.
* Experience in Portal Development using Liferay and WebSphere Portals.
* Experience in the functional usage and deployment of applications in Web Sphere and Apache Tomcat Server. Contributed software engineering expertise in deploying API’s.
* Working knowledge of Agile Development and Waterfall methodologies. Experience in writing and executing unit test cases using JUnit, Arquillian Testing Framework.
* Codes, tests, debugs, documents, and implements complex software applications.
* Extensive experience with IDEs like Eclipse, RAD, IntelliJ IDEA
* Understanding of Docker containerization and knowledge of build and release tools such as Jenkins, Kubernetes.

**Education:**

* Master’s in computer applications (MCA) - Osmania University

**Certifications:**

* AWS Developer Associate certification

**Technical skills:**

|  |  |
| --- | --- |
| **Java Technologies** | Java 18, JSP, J2EE, JDBC, JNDI, CDI, JSF, JAX-RS, JAX-WS |
| **Frameworks** | Spring Boot, Spring Cloud, Node.js, TypeScript, Python (3.x) |
| **Web Technologies** | HTML, CSS, JavaScript, Bootstrap, jQuery, XML, XSD, Angular |
| **Web Services** | REST, SOAP, Jersey, Swagger API |
| **Databases** | Oracle 10g, MySQL, DB2, PostgreSQL, MongoDB, DynamoDB |
| **Messaging** | Apache Kafka |
| **Search/Analytics** | Elasticsearch |
| **Cloud Platforms** | AWS (EC2, ECS, S3, RDS, Lambda, IAM, CloudWatch, CloudFormation, SQS, SNS, MSK) |
| **Containers & DevOps** | Docker, Jenkins, Concourse, CI/CD |
| **Security**  **Testing & Quality:** | OAuth2, JWT, LDAP  Junit 5, Mockito, jest, Behave, SonarQube. |
| **Application Servers** | Apache Tomcat 10.0.40, IBM WebSphere 6.1 |
| **IDEs & Tools** | Eclipse, IntelliJ IDEA, Spring Tool Suite (STS), RAD 6.0 |
| **Version Control** | Git, SVN, ClearCase, Rally |
| **Issue Tracking** | JIRA, ClearQuest, ServiceNow (Change Management) |
| **Operating Systems** | Linux, Windows |

**Experience:**

**Capital One, Richmond, VA Aug 2023– Present**

**API lead Developer**

**Project: Decisioning Platform and CAR**

**Responsibilities:**

* Gathering the business requirements and analyzing to implement.
* Setup the component to adhere the standards at CapitalOne and implemented the synchronous microservice.
* Built an automated data ingestion pipeline for uploaded files to **AWS S3,** applied transformation logic, and stored structured output in **Elasticsearch** for search and analytics.
* Involved in implementing sqs consumer using Java runtime to consume the data from Onestream.
* Led successful upgrades of core technology stacks, including:
  + Spring Boot: Migrated projects from Spring Boot 2.7 to 3.x, refactored deprecated javax.\* imports to jakarta.\*, and ensured Java 17+ compatibility.
  + Python: Upgraded legacy Python applications from 3.7 to 3.12, resolving syntax changes, deprecations, and reconfiguring virtual environments.
  + Node.js: Transitioned Node.js services from v18 to v22 using nvm, updated npm dependencies with npm-check-updates, and ensured module compatibility (CommonJS to ESM).
* Enhanced application performance and security by modernizing build tools, refactoring outdated libraries, and aligning with industry standards.
* Conducted regression testing and dependency audits post-upgrade using automated pipelines (Jenkins, Concourse).
* Used Jenkins for code deployment and experience with DevOps methodologies implementing CI/CD pipelines.

**Environment:** Java 17, Kafka with spring, Spring BOOT, Spring cloud open feign, Spring Data, JSON, MAVEN, REST Webservices, GIT, Wiki, JIRA, Check Style, spring batch, EMR, Glue, spark, Python, Oracle, microservices, Webflux, Splunk, JWT, Jenkins, IntelliJ idea, AWS EC2, Python, Pyarrow, pycharm, Aws data pipelines, AWS, KMS, IAM, AWS cloud watch, AWS RDS, AWS ECS, AWS CloudFront, GCP, Google Ads, Postgres SQL.

**COMCAST- Xfinity Customer and Order Services Mar 2021– Jul 2023**

**Sr. Developer**

**Responsibilities:**

* Understanding the business requirements and doing the analysis to implement.
* Setup the Business Rule Engine and authoring the rules in drools.
* Deploy the rules in kieservers and release the artifacts and to make it available for consuming the services.
* Integrate the Rule Engine with Spring boot microservice and then validate the data.
* Expertise in designing test cases for unit testing applications using JUNIT and testing using MOCKITO.
* Accessing the Cloud configuration management from the application and using the data configs for connecting.
* Involved in code reviews for the applications and adheres to software development standards.
* Followed the coding standards and code coverage SONAR.
* Deploying the application using Concourse Pipelines and monitoring the logs cloud foundry.
* Accessing the AWS RDS instances from server and validating the data
* Used python as a runtime for AWS lambda.
* Understanding the Security of the microservices using OAuth2. Understanding the business requirements and doing the analysis.
* CSG orders are captured in the queue using AWS SQS and orchestration of the flow with step functions. Added functionality in the AWS lambda and modified the step functions as per the requirement and monitored them in CloudWatch based on the events.
* Order completion will get notified with SNS.
* Implemented service for consuming the Kafka topic and applying business logic and save them No SQL based on the values.
* Subscribe to the channel which is on the Kafka stream which is managed in AWS MSK and Consume the billing orders on a Kafka topic and apply the business logic using Spring cloud open feign and integration with feign-soap for consuming the SOAP webservices.
* Integrated CloudFormation with **GitLab CI/CD** to enable automated infrastructure provisioning.

**Environment:** Java 1.8, Aws MSK, Kafka streams with spring, Spring BOOT, Spring cloud open feign, Spring Data, JSON, MAVEN, REST/SOAP Webservices, GIT, Wiki, JIRA, JavaScript, Oracle, Check Style, spring batch, MongoDB, Oracle, Node JS, Splunk, JWT, Concourse , IntelliJ idea, AWS EC2, SQS,SNS, python, Step functions, KMS, IAM, AWS cloud watch, AWS RDS, AWS LAMBDA, Splunk, Kibhana, Python, Pycharm, microservices, Kubernetes

**JPMC, Wilmington, DE Mar 2020 – Mar 2021**

**Backend Developer**

**Project: Intake Onboarding**

**Responsibilities:**

* Understanding the business requirements and doing the analysis to implement.
* Implemented the rest of the endpoints for the functionality with spring boot and spring cloud and followed the microservice standards.
* Expertise in designing test cases for unit testing applications using JUNIT and testing using MOCKITO.
* Accessing the Cloud configuration management from the application and using the data configs for connecting.
* Querying the Arango DB to retrieve and validate the functionality.
* Involved in code reviews for the applications and adheres to software development standards.
* Followed the coding standards and code coverage SONAR.
* Understanding the JPMC infra and deployment tools.
* Creating components using angular and routing to the next page based on the workflow.
* Participated in **CI/CD** setup with **Jenkins** and **GitHub** Actions for **Instabase** deployment workflows.
* Logstash for logging and configurations. Consuming the booking orders using the configured the kafka topic.

**Environment:** Java 1.8, Spring BOOT, Spring Cloud, Spring Data, JAX-RS, JSON, MAVEN, REST Webservices, GIT, Confluence, JIRA, Apache TOMCAT 7, SQL Server, Check Style, Spring batch, Jenkins, Kubernetes, microservices, Apache Kafka.

**Holland America Line, Seattle, WA Aug 2016 to Nov 2018**

**Full stack Java Developer**

**Responsibilities:**

* Standardize the services, endpoints and applying best practices for REST web services module.
* Understanding the business requirements and doing analysis to implement.
* Developing cost effective information technology solutions by creating new and modifying existing software applications that are more complex.
* Migrated Legacy data-integration module data which is in Oracle as backend to MongoDB 2.6.
* Designed the structure and schema in monody and querying CRUD operations from repository and using mongo Template methods.
* Responsible for the development of microservices using Spring Boot and cloud. establishing development practices and supporting CI build and deployment processes.
* Created a new pricing API using Spring Boot and querying the Mongo DB using spring data module.
* Codes, tests, debugs, documents and implements complex software applications.
* Configured the Mongo for real time pricing update and implemented real time Pricing update in intervals with batch Quartz Jobs with triggers for different brands.
* Implemented Jersey Validation for existing booking flow application in Design and document REST/HTTP, SOAP APIs, including JSON data formats and API versioning strategy.
* Involved in code reviews for the applications and adheres to software development standards.
* Implementing JWT for authenticating and security for invoking of API calls
* Supported Single Page Applications when client changed the query condition using Angular which includes Routing, Directives, and Templates
* Designed and implemented **CI/CD** pipelines for deploying machine learning models into production using Jenkins, **GitLab CI**, and **ArgoCD**.
* Understanding of Docker containerization and knowledge of build and release tools such as Jenkins, Kubernetes.

**Environment:** Java 1.8, Spring BOOT, Spring cloud, Spring Data, JAX-RS, jersey, JSON, MAVEN, REST Webservices, GIT, Wiki, JIRA, Apache TOMCAT 7, JavaScript, Oracle, Check Style, spring batch, MongoDB, NGINX, Angular, Oracle, Node JS, Splunk, JWT, Jenkins, Infini span, Akamai, Kubernetes, I ntelliJ idea, AWS EC2, IAM, AWS cloud watch, AWS RDS, microservices, Splunk

**STARBUCKS, Seattle, WA Nov 2015–August 2016**

**Java Developer**

**Responsibilities:**

* Involved in GRED Scrum and delivering the assigned stories in the stipulated Sprint.
* Participated in design and development as an application developer. Understanding software requirement and utilizing apposite technology to enunciate most apposite data flow between front end and backend technologies.
* Involved in development of an API using Rest Webservices.
* Producing rest webservices using JAX-RS and defined the endpoints for GRED.
* Used Context Dependency Injection (CDI) to inject components.
* Configured Owner Config for the properties.
* Integrated **GraphQL testing into CI/CD pipelines (Jenkins, GitHub Actions)** for automated validation.
* Designed Batch Job Steps for Importing Point of Sale from sales database using Spring Batch.
* Implemented Java Batch and created a job to read data from Database schema, indexing them while retrieving data.
* Store complex real-world entities in elastic search as structured JSON documents. All fields are indexed by default and all the indices can be used in a single query to easily return complex results at breathtaking speed. Indexing the elements in elastic search
* Querying the elastic search-using search API to get aggregate transaction summary on Java API Client.
* Developed complex service components for Data Access Layer, DAO classes to interact with backend using Java and JPA Implementation MyBatis Framework for the Transaction Module.
* Used Check Style for formatting, developing application and configured in IntelliJ J
* Exception Handling to provide proper Error Code and Response.

**Environment:** Java 1.8, CDI, JAX-RS, jersey, JSON, MAVEN, REST Webservices, GIT, WI Ki, JIRA, Apache TOMEE, Orika Mapper, Check Style, Elasticsearch 2.3.1, Spring Batch, BATCHEE, MyBatis 3.3.1, DB2, NGINX, AngularJS, Splunk, Jenkins, OAuth, Hazelcast, microservices, Arquillian Testing, IntelliJ idea.

**Anthem, Ohio Dec 2013- Mar 2015**

**Software Engineer**

**Responsibilities:**

* Handling clients change requests and enhancements on an Agile based development platform.
* Understanding Functional and Technical Requirement Specification and developing customer’s business rules for the product.
* Involved in developing the requirement using Spring with Portlet MVC and implementing two phase mappings such as action mapping for business logic and to invoke the service call and the other mapping to render UI.
* Export the Web Sphere wps.ear to deploy the themes and skins for employer portal.
* Used xmlacees tool for portlet installation.
* Consuming SOAP webservices using third party AXIS2 implementation and involved in constructing of request.
* Testing Web services via Tool SOAP UI.
* Responsible for Detail Design and Development of UI using JSP and JSTL tags.
* Involved in the implementation of logic from one layer to other transformation layer and making use of Singleton Design Pattern.
* Wrote JavaScript’s for client-side validations based on their business rules.
* Involved in PCP transaction which gives the user the chance to add, change and cancel PCP.
* Involved in administration module functionality changes for the flow.
* Mapping class fields in Dozer Mapping Configuration file and making abstract by encapsulating changes to data objects and propagating these objects to other layers.
* Used ClearCase for version control for Code check in and check out from branches\tags.
* IBM ClearQuest helps to enhance software quality with built-in defect and change-tracking capabilities. ClearQuest for defect tracking.
* Monitored the error logs using Log4J and fixing the problems.
* Manual testing for UI and Spring portlets new functionality.

**Environment:** Spring3.3.0, JSR 168 portlets, Axis 2, SOAP UI, Struts, spring batch, hibernate, WebSphere Portal, Java/J2EE, JAXB, XML, XSD, XSL, Dozer Mapping, Windows, JMS, AJAX, Oracle, DB2, ClearCase, RSA, Portal server, Maven, microservices

**HITACHI, Hyderabad, India Feb 13 –Nov 13**

**Java Developer**

**Responsibilities:**

* Involved in developing code to access a REST webservice from front end and provide the response in JSON format.
* Developed the front-end screens using JSP, JavaScript, jQuery.
* Configured Mapping Jackson2HttpMessageConverter for response in JSON format.
* Worked in agile team in 3 weeks sprints to rapidly develop output to partners and incorporating feedback with product owners.
* Used JPA implementation Hibernate to persist data to a MySQL database.
* Used Maven to build the project with dependencies.
* Used Spring MVC, Security modules used for the development of an application and Configured login/logout credentials using Spring security module.
* Used log4j for tracking errors and debugging the code.
* Involved in preparation of test case document.
* Worked with jQuery plugins like Banner, Slider, Accordion, Tabs, jQuery Dropdown, Image Gallery and developed few Embedded JavaScript Templates

**Environment:** Spring Boot, MVC, Security, REST Webservices, Hibernate, IOS developer Center, JSP, MySQL, JSON, Angular JS, Eclipse IDE, Windows, Maven, Junit, Tomcat

**EMNOS, Germany. Mar 2011 – Jan 2013**

**Java Developer**

**Responsibilities:**

* Involved in the development of UI design using ICE faces.
* Involved in developing themes on Liferay portal using Velocity.
* As a developer I was actively involved in various Business Layer and Data Management components of this web-based system
* Event Handling, populating data, retrieve data from database Using Spring JDBC
* Involved in Junit Testing and written unit test cases for Segmented all the modules.
* Involved in preparing technical documents shared in Confluence.
* Created a prototype which showed SW how it could use Java technology. A great deal of time was spent communicating with various business groups at SW to understand their needs and their concerns.
* Implemented DAO classes to retrieve the product information for all entities and did other configurations using JDBC.
* Developed the Java Utility Classes for accessing and validating data.
* Worked in AGILE methodology, handling User Stories and delivering them in on time.

**Environment:** ICE faces (Custom components of JSF), Spring JDBC, Spring Batch, hibernate, Spring AOP, Liferay 5.0, Quartz, Alfresco, Flex, Velocity, XSL, Java, JIRA, Confluence, SVN, Tomcat 6.0 and PostgreSQL, XSD, Greenplum.

**Sierra Atlantic, Hyderabad, India Aug 2010 – Feb 2011**

**Java Developer  
Responsibilities**:

* Involved in bug Fixing
* Involved in developing of Customer module using JSP.
* Used JUnit to implement the different test cases. Involved in executing Unit Testing and System Integration testing
* Used a layout in combining the JSPs according to their wire frame appearance
* Used SVN for version control.
* Reading and Writing Excel functionality using Apache poi library.
* Performed unit testing and comprehensive scenario testing of the modules I worked on.
* Reputation for being excellent problem solver, debugging, log analyzing and customer interfacing skills with the ability to manage multiple projects and meet deadlines.

**Environment:** java\j2ee, Tomcat5.0, Apache Poi, JSP, JavaScript, Xml, Oracle, Eclipse.