**Panneerselvam Arulanandam**

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**Summary:**

A competent professional with over **15+ years** of experience as senior java consultant with expertise in Spring Boot, Spring MVC, Spring Data/JPA, Restful services, microservices and cloud native architecture.

* Experience in analysis, design, development, implementation and maintenance of application software in the areas of Distributed n-tier architecture, Client/Server architecture, and Web-based environment using JAVA/JEE, Object Oriented technologies
* Proficient in object-oriented design, data structures, collections, multithreading, problem solving, complex analysis and debugging
* Experience in cloud native architecture, including the design and deployment of scalable, resilient, and containerized microservices on platforms such as IBM Cloud. Experience in leveraging container orchestration (Kubernetes, Docker), API management, and DevOps practices to deliver robust, high-availability solutions in modern cloud ecosystems.

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| --- | --- |
| Frameworks | Spring Boot, MVC, Spring Data/JPA, Guice, Angular, Hibernate, Spring Cloud |
| Databases | Couchbase, MongoDb, Oracle, MySQL |
| Java and JEE | Java 17, JSP, Servlet |
| Messaging Technologies | Kafka, IBM MQ |
| Cloud Foundry | IBM, AWS |
| Tools | Jira, Git, IntelliJ, Eclipse, IBM Rational Application Developer, Spring Tool Suite |
| Application Servers | Jetty, WebSphere, JBoss and WebLogic |
| DevOps | Docker, Kubernetes, Maven, Grade, Git Actions |
| Observability | Dynatrace, Grafana, Promotheus |

**Projects Summary:**

**1. Organization: Selsoft Inc**

Client Name: **American Airlines** **Duration**: **Sep 2023 – Jun 2025**

Role: Senior Java Consultant

Project: **Ancillaries/Offers**

**Technologies:**  Java 17, Spring Boot, Restful service, IBM Cloud (Kubernetes, Redis), Apigee, Dynatrace

Description: **Ancillaries or Offers** are add-ons such as pre-paid bags to make travel as painless as possible using different channels at American airlines.

## Responsibilities:

* Design and develop the microservice cloud native application using Java and Spring Boot, ensuring high availability and scalability.
* Writing pipeline automation for building, testing and deploying applications using Github Actions.
* Enhanced application performance and reliability through observability tools like Dynatrace and Grafana.
* Performing code reviews, test case reviews and coordinating with the team for the release plan.
* Writing unit tests utilizing Junit/Mock libraries (Mockito) to test the web and back-end modules
* Participating in agile meetings such as standups, planning and retros

Client Name: **Apple**   **Duration**: **Jul’ 2019 – Jun’ 2022**

Role: Senior Java Consultant

Project: **IDMS/Apple ID**

**Description:** **AppleID/Identity Managemen**t is one of the few centralized identity, policy and authorization solutions that helps in maintaining the identities, apply policies uniformly and set different access levels for users/apps by using rules.

**Responsibilities:**

* Developed RESTful APIs using Spring boot, Spring cloud, Docker.
* Used Spring Cloud Config Server to externalize configuration properties and Spring Cloud Netflix Eureka for service discovery.
* Applied Spring Cloud Netflix Hystrix for fault tolerance and resilience of microservices applications.
* Responsible for implementing new security features and bug fixes for the application.
* Involved in developing APIs, integrations and event-driven microservices using AWS managed streaming for kafka (MSK) , Api Gateway, IAM, S3.
* Utilized Maven for dependency management and build automation and Jenkins for continuous integration and continuous delivery (CI/CD) pipelines

Client Name: **Google**  **Apr’ 2016 – Jul’ 2019**

Role: Senior Java Consultant

Project: **RCS**

Description**:** **RCS** is a technology that was born to halt fragmentation and interoperability issues arising in IP-based communications. RCS is the development of messaging, voice and video capabilities from a legacy circuit switched network environment to an all-IP one.

**Responsibilities:**

* Participated in the analysis, design, development, testing, and deployment of microservices applications using Spring Boot, Docker/Borg, and GCP.
* Developed RESTful APIs using Spring MVC and Spring Data JPA to interact with Oracle and Spanner database.
* Implemented Pub/Sub and data flow service for data processing component
* Enhanced the functionality and usability of microservices applications by adding new features and fixing bugs
* Used JUnit and Mockito for unit testing and code coverage analysis of microservices components.

Client Name: **Apple**  **May’ 2015 –Feb’2016**

Role: Senior Java Consultant

Project: **CAS**

Description: Contact Apple Support(CAS) is an online support application to provide the solutions to the issue with customer’s apple products.

**Responsibilities:**

* Developing web services utilizing business logic using RestEasy web services and Spring framework.
* Implemented authentication and authorization for RESTful API's.
* Designed and developed batch jobs using Spring Batch.
* Helped to design the API contract over GET, POST, PUT and DELETE with XML and JSON support.

Description: **Visual information search engine** (VISE/CCSG) is the risk analysis engine. Aggregation of statistics of customer credit details will be displayed as dashboard and reporting pages.

**Responsibilities:**

* Created a custom, single-page web application to replace a legacy line-of-
* business web application using AngularJS
* Integrated with HIVE server to gain access to analytical data.
* Used Spring batch and Quartz scheduler to schedule jobs and regulate the chunk size in each job.
* Managed the life-cycle of a thread and applied synchronization wherever necessary and used blocking data structures when coding to these implementations

**2. Organization: HCL Technologies Ltd**

**Technologies:** Java 5/6, JSF 1.2, Spring Framework (Core, Spring Webflow, Spring JDBC), Hibernate, Axis2-WS, JMS, Websphere 8.x, Oracle11i, Unix, IBM MQ Client, HP Diagnostics, JMeter

Client Name: Bank Of Ireland  **Aug’ 2011 – Dec’ 2014**

Role: Tech Lead/Project Lead

Project: **EQ**

**Description**:

Payment rejections which are generated from the bookkeeping system are queued to the **EQ (Exception queuing)** application for applying payment decision based. The updated payment decisions will be submitted to the bookkeeping system via MQ client for further process.

**Responsibilities:**

* Built an end-to-end application using popular frameworks like Spring, Hibernate, JDBC, JSF, Maven2 by applying OO design concepts and best practices
* Guiding the team’s entity design to ensure maximum leverage out of the ORM layer and JPA best practices.
* Reviewing Application team’s Entity Relationship Model to ensure optimal engineering approach was being followed.
* Enhanced performance of un-tuned code by several orders of magnitude
* Java Heap / Garbage Collection optimization
* Hot Spot analysis for slow methods and memory leaks
* Tuned SQL statements, and Websphere application server to improve performance
* Managed and mentored a group of application developers, assigned responsibilities, elaborated use cases, managed project schedules, and module targets.

Client Name: British Telecom  **Aug’ 2011 – Dec’ 2014**

Role: Sr Java Developer

Project: **MCSO**

**Description**:

**MCSO** provides interfaces to drive online journeys in the new strategic framework. Orders raised from BT.COM come to MCSO and reaches OneView (Siebel) through CMPAL (integration layer) interfaces.

**Responsibilities:**

* Implemented Java Messaging Services (JMS) for reliable and asynchronous exchange of order submission.
* Enhanced the application module using spring’s ORM module which uses iBatis for persistence purpose
* Organizes, plans, and executes middle tier component project involving the bug fixing, deployment, administration and support of business critical applications onto the weblogic platforms
* Performed code reviews, optimization and general technical support tasks

**3. Organization: India Comnet International**

**Technologies:** Java 5, J2EE™ ( JSP, Servlets, EJB, JMS), Hibernate, XML, Metasolv – OMS, Jboss/Weblogic, MySQL, Unix

Client Name: **Panduit Corporation**  **Oct’ 2006 – Dec’ 2007**

Role: Java Developer

Project: **NMS**

**Description:**

This **NMS** project will be the platform to manage all the panels manufactured by the Panduit Corporation.

**Responsibilities:**

* Involved in analysis and development of policy management and firmware upgrade modules.
* Front-end screens were designed using JSP, Servlets, XHTML and JavaScript.
* Implemented persistence framework using Hibernate.
* Performed Unit Testing using JUnit.
* Involved in moments of application from development to QA, QA to UAT and UAT to Prod environments.

Client Name: **TeleSciences**  **Dec’ 2005 – Dec’ 2006**

Role: Java Developer

Project: **CSS**

**Description:**

The Customer Self Service Layer is composed of the Netonomy CSS product with the addition of TeleSciences customizations.

**Responsibilities:**

* Developed presentation layer of the system using Swing applets
* Involved in enhancing queryserver module to deliver generated report information to CSS solution
* Involved in development of live update module of TeleSciences Mediation
* Used DOM parsers for parsing XML Documents
* Involved in design of Netonomy Synchronizer and Subscriber query builder modules.

Client Name: **British Telecom**  **May’ 2005 – Dec’ 2005**

Role: Java Developer

Project: **CSS**

**Description:**

**VServe** Application is MPLS VPN provisioning system. The framework uses the View Framework and the Automaton Framework provided by OMS. The data modeling and the screen modeling are done using the Administrator client.

**Responsibilities:**

* Involved in implementation of process flow in the View framework using OMS.
* Developed Plug-in, Adaptors using Metasolv OMS products, using J2EE, XML, XPath
* Developed Agent Code and Implementation of Order Automation DN for ROW cartridge
* Involved in developing custom JSPs and java classes for certain process flow and deployed in weblogic server.

**Education Qualifications:**

* Master of Science in Information Technology from Annamalai University