

## ARJUN PRAKASH

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### SUMMARY

- Around 6+ years of IT experience as a JAVA/J2EE developer in the areas of Analysis, Design, Development, Coding, Implementation and Testing of web based and client server multi-tier applications.
- Expert level skills in application development using Java, J2EE, Spring Framework, Hibernate, JSP, DB2, Servlets, JDBC, HTML, JavaScript, J2EE compliant application servers, multi-threading, OOAD concepts, client/server, design patterns of J2EE architecture.
- Good experience working on different levels of Software Development Life Cycle (SDLC) and Agile Software Development methodologies like Scrum, Sprint and Traditional software models like Waterfall and Test-Driven Development (TDD).
- Expertise in Java programming and have good understanding on OOPs, Collections, Exceptions
- Handling, Input/output (I/O) System, Annotations, Concurrency, Multi-Threading, Lambda and Generics.
- Good experience working with the Java and JDK and implemented the new feature like Lambda. Expressions, Streams, and Java Time API.
- Expertise in implementing the persistence logic using JDBC, JPA, Spring JDBC, Hibernate framework.
- Extensively worked on Micro Services using Spring Boot, Spring Data and REST
- Expertise in AWS management console as well as the AWS command line interface (CLI) AWS reference architectures and should have experience gathering requirements, working with customer to define solutions based on AWS and/or Microsoft Azure
- Experience in Core AWS services, including networking with VPCs, computing with EC2, storage with S3, Elastic Load Balancing, RDS for databases, monitoring with CloudWatch, CloudTrail, and access management with IAM
- Developed and deployed custom resources and operators in OpenShift to automate the management of specific application needs.
- Utilized the Operator Framework and Operator SDK to extend OpenShift's functionality with custom automation.
- Hands on experience in Amazon Web Services (AWS).
- Experience in deploying the Docker Swarm Clusters and Docker containers.
- Skilled in developing User Interfaces using JSP, JavaScript, and AJAX using Angular JS framework.
- Experience in handling messaging services using Apache Kafka.
- Spring Boot Microservices were developed with Microservice architecture using REST and Apache Kafka.
- Configured OpenShift security features such as Role-Based Access Control (RBAC), network policies, and integrated security scanning tools (e.g., Clair) to ensure compliance with security standards.
- Expertise in Spring framework, extensively used Spring DI, Spring AOP, Spring JDBC templates and Spring MVC.
- Developed features and modules using JavaScript and component-based Typescript Modules. Used JUnit Framework to perform Unit testing of the application.
- Performed unit and integration test by writing Junit test cases using Junit Frameworks like Mockito.
- Good experience working with Continuous Integration and Deployment (CI/CD) tools like Jenkins, Docker, Jules, Spinnaker
- Implemented service discovery and configuration management using OpenShift ConfigMaps and Secret.
- Experience in using version control and configuration management tools like GIT and CVS.
- Worked on SQL scripts to insert master data into tables. Worked on jetty server to deploy application locally.

- Strong analytical, interpersonal and communications skills. Demonstrated track record of analyzing situations, implementing in a fast-paced environment.
- Excellent team player, very dynamic, flexible with positive attitude and excellent learning skills.

## EDUCATION:

Master of Science in Information Technology and Analytics  
Rutgers State University, New Brunswick, New Jersey

Bachelor of Technology in Computer Engineering  
SRM University, Chennai, India

## TECHNOLOGY STACK:

**Languages:** Java 8, Java 11, Java 17, Kotlin, JavaScript (ES6), SQL, Python, ReactJS, HTML, CSS, JavaScript

**Frameworks:** Spring (MVC, Core, Data), Spring Boot, Kafka, Hibernate, Spring Cloud, ReactJS library Web

**Cloud:** AWS, Azure, OpenShift, Oracle APEX

**Web/App Servers:** Apache Tomcat

**Databases:** MySQL, MongoDB, Oracle DB, H2

**Build Tools:** Gradle, Maven, Docker

**Testing:** JUnit, Mockito, Spock, Groovy, Jest, Enzyme

**SDLC:** Agile/Scrum, TDD, Waterfall

**IDEs and Tools:** IntelliJ, Eclipse, VS Code, Slack, Swagger

**Debugging Tools:** JIRA, Jest, Enzyme, Mockito, JUnit, Postman

**Services :** REST APIs, Web Services

**Certification:** AWS Cloud Practitioner

JP Morgan Chase, Jersey City, NJ  
Java Backend Developer

Oct 2022-Present

**Description:** Successfully synchronized credit card offers for 60 million customers, resulting in a 20% increase in credit card acquisitions and a 15% uplift in customer engagement metrics. Developed an automated offer synchronization pipeline, reducing manual intervention and processing time by 50% while improving data accuracy and reliability.

### Responsibilities:

- Design, develop, and deploy web applications using AWS services such as EKS, S3, Lambda, ECS Far-gate Cluster.
- Implemented cluster services using Kubernetes and Docker to manage local deployments in Kubernetes by building a self-hosted Kubernetes cluster using Terraform and deploying application containers.
- Design and develop serverless applications using AWS services such as Lambda and Step Functions.
- Worked closely with development teams to containerize and deploy their applications on OpenShift, providing guidance on best practices for cloud-native development.
- Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.

- Implemented logging and monitoring solutions using AWS CloudWatch, Prometheus, Grafana, or ELK Stack to monitor the health, performance, and utilization of AWS services and applications.
- Designed and implemented RESTful APIs and microservices using Spring Boot framework, enabling seamless communication between distributed components, and facilitating integration with frontend and backend systems.
- Orchestrated infrastructure provisioning and configuration tasks as part of the CI/CD process using tools like Terraform, ensuring infrastructure-as-code (IaC) principles and enabling repeatable and scalable deployments.
- Designed and implemented RESTful APIs and microservices using Spring Boot framework, enabling seamless communication between distributed components, and facilitating integration with frontend and backend systems.
- Utilized Spring Boot starters, auto-configuration, and dependency injection features to bootstrap application development, accelerating time-to-market and reducing boilerplate code.
- Integrated relational databases like MySQL, PostgreSQL, or Oracle with Spring Boot applications, leveraging Spring Data JPA and Hibernate for object-relational mapping (ORM) and database interaction.
- Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
- Integrated Kafka messaging streams into Java microservices architecture using Spring Kafka, enabling event-driven communication and asynchronous processing between microservices.

**Environment:** Java8, API Development, Spring Boot, Spring Security, RESTful APIs, Distributed Systems, Terraform, AWS, Jules, Spinnaker, Docker, PostgreSQL, Dynamo DB, Java Script, Nginx AWS, Kafka,

**AT&T, Atlanta, GA**  
**Full Stack Java Developer**

**Jun 2021- September 2022**

**Description:** Worked in tracking customer database for AT&T and accordingly improved customer acquisition of AT&T based on their buying history by providing them best call plans.

**Responsibilities:**

- Worked with SQL databases like Oracle, My SQL, IBM DB2 and Hands on experience in working with NoSQL Database like MongoDB, Cassandra to manage extremely large data sets.
- Used Java 8 Method References feature to point to methods by their names and used functional Interfaces.
- Used Spring MVC framework for implementing Model-View- Controller (MVC) architecture at the Web tier level to isolate each layer of the application so that complexity of integration will be reduced, and maintenance will be very easy.
- Managed application state using Redux and Context API for predictable state management.
- Designed responsive UI components with React, ensuring cross-browser compatibility and mobile responsiveness.
- Developed & implemented OAuth2 functionality with Spring Security to secure REST services/REST APIs for authentication and authorization and generate & validate the tokens for REST clients to protect the services.
- Designed and developed Cloud Service projects and deployed to Web Apps, PaaS, and IaaS.
- Set up and configured monitoring tools such as Prometheus and Grafana on OpenShift for real-time performance and health monitoring
- Developed automation scripts using Python to streamline repetitive tasks, improving efficiency and reducing manual workload Data Extraction and Manipulation:
- Created Python scripts to extract, clean, and transform data from various sources, enabling data-driven decision-making
- Developed & implemented OAuth2 functionality with Spring Security to secure REST services/REST APIs for authentication and authorization and generate & validate the tokens for REST clients to protect the services.
- Configured and managed OpenShift projects, quotas, and resource allocations to support development and production environments

- Created new REST web service operations and modified the existing web service's WADLs Web Application Description Language
- Implemented Java EE components using Spring MVC, Spring IOC, Spring transactions and Spring security modules.
- Developed Rest API to processes the data from DB to another.

**Environment:** Java8, API Development, Spring Boot, Spring Security, RESTful APIs, Distributed Systems, OpenShift, Webservices, J2EE, SQL, SOAP API and APIGEE, ReactJS, Oracle APEX, Python

**Dr Leonard Healthcare Corp Edison, New Jersey**  
**Full Stack Java Developer**

**March 2020-June 2021**

**Description:** Worked in Dr Leonard's Healthcare as a Developer to manage credit card booking and billings for customers for their online portal.

**Responsibilities:**

- Engaged in all phases of SDLC in involving specifications, gathering Requirements, Designing, Coding, Testing, Deploying, and Maintaining in implementing projects. Functionalities using Agile Scrum Methodology. Participated in Scrum related activities and daily standup meetings.
- Extensively used core Java concepts like Collections Framework, and Exception Handling, I/O System, Multi-Threading, JDBC, Generics.
- Experience in using JUnit and build tools such as MAVEN. Worked on Log4j for logging errors, messages, and performance logs and SVN for version control.
- Built full-stack applications with Java for backend services and Python scripts for various backend tasks and data handling.
- Created new REST web service operations and modified the existing web service's WADLs Web Application Description Language
- Used Microservice architecture with Spring Boot and implemented the Project structure based on Spring MVC pattern using dispatched servlet. Designed spring Boot mechanism without configuration XMLs are replaced it with Java classes.
- Wrote unit and integration tests using Jest and React Testing Library to ensure code quality and reliability.
- Developed the persistence layer using ORM tools like Hibernate Framework, performed mappings in Hibernate files.
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Configured and managed OpenShift networking components, including Ingress Controllers, Service Mesh (Istio), and network policies to ensure secure and efficient communication between services.
- Experience in working with NoSQL Database like MongoDB to store claims data to do data analysis helpful for organization to monitor and analyze the claims trend.

**Environment:** Java8, AWS, HTML5, CSS3, JavaScript, Kubernetes, Docker, Angular 8, Microservices, Restful Web Services, Hibernate (ORM), Spring Boot, Spring MVC, MySql, NoSql, MongoDB, Maven, Jenkins, Selenium, Jira, Log4J, Junit, Git, OpenShift, Python

**Tata Consultancy Services, India**  
**Java Developer**

**June 2017-Jun 2018**

**Description:** Worked as a Junior Developer on in house application which manages Supply Chain requirements for regions North America, EMEA for a Fire and Security Alarm Client of Tata Consultancy Services.

**Responsibilities:**

- Involved in Sprint planning sessions and participated in the daily Agile SCRUM and Retrospective meetings.
- Used Spring Core Annotations for Dependency Injection and Spring MVC for REST APIs.
- Developed the entire application using MVC Architecture, Hibernate and Spring frameworks.
- Used Spring Security framework for login authentication, password hashing.
- Used Hibernate to store the persistence data into the Oracle database and written HQL to access the data from the database. Annotations were used in hibernate mapping instead of XML.
- Consumed and Developed RESTful Web services (JAX-RS) provided by different vendor for Address verification and validation.
- Implemented OAuth functionality with Spring Security to secure the REST services.

**Environment:** Java, J2EE, Rational Rose, Spring, Web Services (REST, JAX-RS), Hibernate ORM, Apache CFX, Maven, WebSphere Application Server, UML, XML, JavaScript, CSS, SQL, Junit, Log4j, JIRA.

**Hewlett-Packard, India**  
**Full Stack Java Developer**

**Jun 2015- Dec 2016**

**Description:** Sales team and Product & Engineering team to help them identify trends and opportunities according to the demographics and income of people which aided them in sales of their hardware product.

**Responsibilities:**

- Worked on Agile Rally dev to define user stories, tasks, and defects.
- Applied Agile Test Practices SCRUM, Scripted Test Cases for Test Driven Development TDD and developed test cases for story cards based on Acceptance Test Driven Development ATDD.
- Developed detailed design documents for all the functional modules of the application to be used by the testing team to set up test cases. Developed code using Design patterns like DAO, Factory pattern, Singleton and Value objects.
- Involved in various phases of the Software Development Life Cycle (SDLC), including requirement gathering, modeling, analysis, architecture design, prototyping, developing, and testing.
- Worked on Java 8 features like Lambda expressions, Streams, filters, optional classes and default methods.
- Created Services to consume REST API's and to communicate between components using Dependency Injection provided by Spring Framework.
- Developed Batch jobs using Spring Batch to process transaction data.
- Developed user stories using Core Java and Spring 3.1 and consumed rest web services exposed from the profit center.
- Developed Spring Controllers, Service Components, DAOs, Web Services and UI Integration for processing the Estimated Shipping and Delivery dates (ESD and EDD).
- Implemented Spring Framework including Spring Core/IOC, Spring AOP, Spring ORM and Spring Batch and implemented the authentication, authorization, and access-control features by making use of Spring Security.
- Worked extensively on developing controllers, Interfaces and implementation classes using Spring MVC framework & used Microservice architecture with Spring Boot based service through REST.
- Provided the Payloads for the REST endpoints for each business flow and validating the data in Backend and logged in the Database for Audit.
- Worked on SQL scripts to insert master data into tables. Worked on jetty server to deploy applications locally.
- Developed API for using AWS Lambda to manage the servers and run the code in AWS.
- Selecting the appropriate AWS service based on compute, data, or security requirements.
- Experience in Integration of Amazon Web Services AWS with other applications infrastructure.
- Used Swagger for technical documentation.
- Setting up AWS Oracle RDS databases for new project, use data pump to migrate data to Relational Database Services (RDS).

**Environment:** Java 1.8, Spring framework, Spring Boot, Hibernate, jQuery, Web Services (SOAP/REST), WebSphere Application Server, JSON, Microservices, Eclipse, Microsoft Visual source safe, JSP, OAuth2, Log4J, Oracle SOA, DB2, Maven, putty, AWS, GitHub, Eclipse, Mockito, Ant, Java Security, Swagger.