

AWS Certified Developer – Associate

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Professional Summary:

- Highly skilled **Full stack developer** with **8** years of experience specializing in both **Front-end** and **Back-end** development to design, develop, and deploy web-based Client-Server business applications.
- Expertise in front-end technologies such as **HTML**, **CSS**, **JavaScript**, **React**, **Angular**, or **Nodejs**, to build dynamic and interactive web applications.
- Involved in Core Java code to create business logic using **Java APIs** such as Collections, Multithreading, Exception Handling, Generics, Enumeration, and Java I/O.
- Proficient in utilizing **Java** and related frameworks like **Spring Boot** or **Java Server Faces** (JSF) for back-end development.
- Proficient in automation tools like **Maven** and **Gradle**, enabling streamlined project setup, dependency management, and build processes.
- Strong experience using spring technologies and modules like **Spring MVC**, **Spring Security**, **Spring REST**, **Spring Boot**, **JDBC**, and **ORM** using Eclipse and IntelliJ.
- Skilled in implementing authentication and authorization mechanisms, such as **Spring Security** or **JSON Web Tokens (JWT)**, for securing back-end APIs.
- Experienced in designing and developing **RESTful APIs**, connecting front-end interfaces with back-end services and databases. Experience in API design, development, management, and **Microservices**.
- Strong database skills in **SQL** and **NoSQL** databases like **MySQL**, **MongoDB**, and **Oracle** by writing optimized database queries, ensuring data integrity, data storage, and performance optimization.
- Extensive experience in integrating microservices with messaging systems like **Apache Kafka** and **RabbitMQ** for asynchronous communication and event-driven architectures.
- Proficient in deploying and managing Java applications on both **AWS** and **Azure**, utilizing services such as **EC2**, **S3**, **EKS**, **Lambda**, **Azure App Service**, **Azure Functions**, and **Azure Virtual Machines**.
- Expertise in developing and deploying microservices-based applications, leveraging technologies such as **Docker** and **Kubernetes** for containerization and orchestration.
- Familiarity with continuous integration and deployment (**CI/CD**) pipelines to automate build, test, and deployment processes.
- Proficient in unit testing methodologies and frameworks like **JUnit** and **Mockito** ensuring the quality and reliability of code.
- Experienced in implementing logging frameworks such as **Log4j** and **SLF4J** to facilitate effective logging and debugging of applications.
- Proficient in version control systems such as **Git** and **SVN** enabling efficient collaboration and code management.

Technical Skills:

Web Technologies	HTML, XML, CSS, JavaScript, jQuery, JSON, AJAX, Angular, React, Node JS
Programming Languages	Java, Python, Scala
Web Services Frameworks	Spring, Hibernate, Spring MVC, Spring Boot
Message Brokers	Kafka, RabbitMQ
Databases	Oracle, MySQL, PostgreSQL, MongoDB
Cloud	AWS, Azure, Pivotal Cloud Foundry (PCF)
Testing Tools	JUnit, Mockito
Version Control Tools	Git, Bitbucket
Build Scripts	Gradle, Bazel, Maven, Ant

Professional Experience:

Macquarie Group, Houston, TX – Full Stack Developer

Aug 2022 – Present

- Involved in all phases of the Software Development Life Cycle (**SDLC**) including analysis, specification, design, implementation, and testing.
- Used **Agile** methodology and worked in a fast-paced Scrum environment with a framework that delivers customer collaboration and interaction with processes and tools.

- Worked on multiple tasks and dependencies involving **Java**, **Scala**, and **Python** programming languages. Used **Angular**, **JavaScript**, and **jQuery** to create Controllers to handle events triggered by clients and send a request to the server.
- Developed responsive and dynamic web applications using **Angular 10**, leveraging its latest features and enhancements.
- Implemented robust front-end solutions using **Angular CLI** for scaffolding, building, and testing Angular applications.
- Implemented reactive forms in **Angular 10**, leveraging its Form Builder and Validators to handle complex form validations and data binding.
- Utilized **Angular** Directives to extend **HTML** syntax and create custom behaviors, enhancing the application's functionality and flexibility.
- Used **Angular 10** Controllers to control models and page data to bind page data in the user interface.
- Designed and implemented microservices architectures with **Node.js**, creating modular and scalable services that communicate efficiently and handle high traffic loads.
- Deployed Node.js applications on the cloud platform AWS, utilizing tools Docker and Kubernetes for containerization and orchestration.
- Worked on creating a new service module for the project using Scala and created the helm templates, health check, and **MACsec** roles.
- Deployed the service module in **UAT** by building a new **bamboo** job and worked on testing the **web API** with the request ID by checking the macro values in the UAT files and ensuring the CMD file was generated.
- Utilized **Java 8** features like Lambda expressions and Stream API for Bulk data operations on Collection, which would increase the application's performance.
- Worked With Java concepts like multi-Threading, inheritance, Collection frameworks, and Exceptional Handling to validate the user.
- Involved in creating **Python**-based database models, APIs, and views to create an interactive web-based solution.
- Implemented Bazel to create Python tools that were then installed on Slack servers.
- Worked with **Gradle** and **Bazel** build automation tools for Java and Scala to compile jars and run tests.
- Developed and created an authentication system with **Go** and Bazel to provide cross-team access to Kubernetes clusters with different degrees of authorization.
- Used **Spring Boot** to develop Microservices and **REST** to retrieve data from the client-side using **Microservice** architecture.
- Utilized various Spring Framework applications such as **Spring Core**, **Spring Batch**, **Spring Security**, and **Spring Boot** to develop Microservices into the current system architecture.
- Used Microservice architecture with Spring Boot-based services interacting through REST and Apache **Kafka message brokers**.
- Created cloud Microservices and implemented back-end functionality with Spring Boot.
- Used Hibernate for interacting with the database **MySQL** using hibernate mapping and configuration using hibernate querying in Kafka Message Queues and performing analytics for streaming data in real-time using **Apache Kafka**.
- Utilized **SQL Server** to write CRUD operations for retrieving and updating data. Created triggers in **PL/SQL** to calculate and update tables to implement the Oracle database's business logic.
- Proficient in leveraging **iam** backups and point-in-time recovery mechanisms to ensure data durability and enable disaster recovery scenarios.
- Proficient in designing and implementing efficient data access patterns using DynamoDB operations such as Get, Put, Query, Scan, and Batch Write.
- Worked on implementing current Rest web services to one of the cloud computing services **AWS**.
- Used **AWS SDK** to connect Amazon **S3** and **EC2** to deploy Docker containers with Services architecture.
- Involved in developing the test environment on Docker containers and configuring the **Docker** containers using **Kubernetes**. The **CI/CD** system's runtime environment was built and tested using Kubernetes and Docker.
- Developed AWS cloud formation templates, set up Auto Scaling for **EC2** instances, and was involved in the automated provisioning of AWS cloud environments using **Jenkins**.
- Worked on **Docker** open-source project by automating the deployment of applications inside software containers.
- Utilized AWS Identity and Access Management (**IAM**) for managing access control and security policies across AWS services.
- Utilized **Splunk's** search language (SPL) to create complex queries, perform ad-hoc searches, and generate reports.
- Implemented advanced Splunk search commands, such as stats, time chart, eval, and transaction, to analyze log data, identify trends, and detect anomalies.
- Utilized Splunk's reporting commands to summarize and present data in tabular, graphical, and chart formats.
- Worked on **JUnit** for writing test cases and performing unit testing, integration testing, and production testing.
- Utilized **JIRA** to assign, track, report, and audit the issues in the application and used Git-based **Bitbucket** as a repository.

- Implemented best practices in **SDLC** methodologies, including requirements gathering, analysis, design, development, testing, and deployment.
- Used **Agile** project management tool **Jira** to track progress, manage tasks, and facilitate team collaboration.
- Worked extensively with frontend technologies such as **HTML5**, **CSS3**, **JavaScript**, and **jQuery** for designing Web-based apps and pages.
- Developed responsive and interactive user interfaces using **ReactJS**, leveraging reusable components and state management to enhance frontend functionality and performance.
- Integrated **ReactJS** with Java-based backend systems, leveraging **RESTful APIs** to retrieve and update data, ensuring seamless communication between frontend and backend components.
- Implemented multi-threaded and concurrent applications in **Java**, ensuring efficient utilization of system resources.
- Used **Java** to implement Streams, Lambda expressions, method reference, and Optional Class to reduce code size, increase reusability, and simplify operations.
- Utilized **RESTful APIs** to retrieve and update data from backend systems, integrating frontend and backend functionality.
- Created and developed a text-based search algorithm in **Python** using **pandas** to support employees using the self-service feature to resolve technical issues.
- Created programs in **Python** and **Golang** that communicate with various open-source and third-party technologies, including Kubernetes, OpenShift, and go-swagger.
- Utilized **Spring Boot's** dependency management and auto-configuration features to streamline application development and reduce boilerplate code.
- Designed and implemented **NoSQL** data models, utilizing flexible schema designs to accommodate evolving data requirements.
- Worked with **PL/SQL** cursors to retrieve and process query results, enabling iterative processing and record manipulation.
- Implemented database schemas, tables, views, and indexes using **PL/SQL**, ensuring data integrity and efficient data retrieval.
- Expertise in data modeling and schema design for DynamoDB, optimizing partition keys, sort keys, and secondary indexes to support various access patterns and query requirements.
- Skilled in building event-driven architectures using DynamoDB Streams, integrating with AWS Lambda.
- Designed and implemented **DynamoDB** tables, defining primary keys, sort keys, and indexes to optimize data access and querying.
- Leveraged AWS Elastic Compute Cloud (**EC2**) for provisioning virtual servers and managing computer resources.
- Worked on AWS Simple Storage Service (**S3**) for storing and retrieving data at scale, as well as configuring data lifecycle policies and versioning.
- Proficient in structuring and organizing data in S3 using buckets and folders, ensuring proper data classification and access control for improved data management.
- Experienced in using multipart upload capabilities of S3 to efficiently handle large files and improve upload and download performance.
- Implemented serverless architecture using **AWS Lambda**, enabling event-driven and scalable application development.
- Experienced in creating and managing **ECS** clusters, configuring cluster capacity, scaling policies, and auto-scaling groups to optimize performance and cost efficiency.
- Skilled in diagnosing and resolving issues related to ECS deployments and optimizing container configurations.
- Proficient in integrating ECS into continuous integration and deployment (CI/CD) pipelines, utilizing AWS Code Pipeline to automate the building, testing, and deployment of containerized applications on ECS.
- Configured **RabbitMQ** exchanges, queues, and bindings to enable efficient message routing and delivery.
- Worked with databases using **JDBC**, including creating SQL queries, handling database connections, and performing CRUD operations.
- Configured **Jenkins** jobs to automate build, test, and deployment processes for software projects.
- Utilized Java testing frameworks **Mockito** for unit testing and ensuring code quality and reliability.
- Worked with the version control system **Git** to manage source code and collaborate with development teams.

Unilever United States, India – Full Stack Developer

Jul 2020 – Dec 2020

- Proficient in **Agile** methodologies, particularly Scrum, facilitating iterative and incremental development to deliver high-quality software solutions.
- Implemented front-end web development using **HTML**, **CSS**, and **JavaScript** to create engaging and responsive user interfaces.
- Developed web applications using **Angular 10**, utilizing its powerful features and frameworks for building robust and scalable front-end solutions.

- Utilized **Angular CLI** (Command Line Interface) to scaffold, build, and deploy Angular applications, ensuring efficient development and deployment workflows.
- Utilized Node Package Manager (**NPM**) to manage dependencies and integrate third-party modules, speeding up the development process and ensuring code quality.
- Implemented continuous integration and deployment (CI/CD) pipelines using Jenkins, enabling automated testing, building, and deployment of **Node.js** applications.
- Extensively worked with **Java 8** features such as lambda expressions, Parallel operations on collections, multithreading, and for effective sorting mechanisms.
- Used **Spring Boot** for developing microservices, SOAP to retrieve data from the client-side using Microservices architecture.
- Implemented **RESTful** API endpoints using Spring boot framework, facilitating seamless communication between clients and servers.
- Developed a messaging system between APIs and Microservices using Apache **Kafka** cluster.
- Experienced in implementing **CI/CD** pipelines for automated build, test, and deployment of microservices, ensuring fast and reliable release cycles.
- Designed **MongoDB** schemas and collections to efficiently represent and organize data based on application requirements.
- Utilized **Azure** Functions for serverless deployment, enabling rapid deployment and scalability of event-driven applications.
- Worked with Azure Virtual Machines (VMs) for application deployment, configuring networking, storage, and security settings as per project requirements.
- Implemented **Maven** plugins to perform various tasks such as compiling source code, running tests, packaging artifacts, and generating documentation.
- Experienced in instrumenting applications and services with **Honeycomb** SDKs or integrations to capture and send structured event data for analysis and monitoring.
- Skilled in designing and implementing custom queries and visualizations in Honeycomb to uncover patterns, identify bottlenecks, and analyze system behavior in real-time.
- Developed test cases and performed unit testing using **Junit** and **Mockito**.

Brio Technologies Pvt Ltd, India – Full Stack Developer

Aug 2018 – Jun 2020

- Worked as a part of **AGILE** software methodology with bi-weekly sprints, with daily scrum meetings, and involved in the process to gather and analyze the requirements of the application.
- Developed dynamic and responsive user interfaces using **HTML**, **CSS**, and **JavaScript** to enhance user experience and ensure cross-browser compatibility.
- Utilized **React.js** to build single-page applications (SPAs) with efficient state management and component-based architecture.
- Utilized **Java** libraries and APIs to implement various functionalities, such as file I/O operations, multithreading, networking, and database connectivity. Utilized **Java EE** technologies, including **Servlets**, **JSP**, and **JSTL**, to build dynamic web applications.
- Worked with **Spring Boot** and Hibernate to develop web apps that use RESTful Web Services and implemented J2EE standards, microservices, and message-based loosely related applications.
- Used the Java Spring Boot framework with **Gradle** as a build tool and Oracle as an enterprise-level database to develop microservices and provide APIs.
- Developed and maintained **PL/SQL** packages, procedures, functions, and triggers to implement business logic and data processing requirements.
- Worked with **PCF** build packs to package and deploy applications, ensuring compatibility and smooth execution in the PCF environment.
- Deployed and managed databases on **Azure**, such as **Azure SQL** Database, ensuring data persistence and high availability.
- Used **Log4j** to provide a central logging facility and **JUnit** to create test cases and perform unit testing.
- Utilized Jira and **Git** for effective project management and version control.

Grapesoft Solutions Pvt Ltd, India – Java Developer

Jul 2016 – Jul 2018

- Participated in scrum and sprint meetings while working in a highly dynamic **AGILE** environment.
- Extensively worked with **Java 8** features such as lambda expressions, Parallel operations on collections, multithreading, and for effective sorting mechanisms.
- Implemented cross-domain calls between servers using the **jQuery API**. Used **Hibernate** to store the persistence data in the PostgreSQL database & wrote HQL to access data from the DB.
- Worked with **JPA** to write queries to an Oracle database using a RESTful interface developed in **Java**.

- Integrated **RESTful** APIs to enable seamless communication and data exchange between different systems.
- Integrated continuous integration and continuous deployment (**CI/CD**) pipelines to automate testing, build, and deployment processes, reducing time-to-market.
- Developed and optimized complex **SQL** queries to retrieve, manipulate, and aggregate data from databases, ensuring optimal performance and responsiveness.
- Implemented unit tests using **JUnit** and **Mockito** frameworks to ensure code quality and identify potential issues early in the development process.
- Utilized **Git** to manage source code and collaborate with team members effectively.

Aircel Ltd, India – Java Developer

Aug 2014 – Jun 2016

- Involved in implementing the **Waterfall** methodology to drive structured and sequential software development processes, ensuring efficient project management and timely delivery of high-quality products.
- Worked with Classes and methods for the program's various functionality, error handling, and exception management elements.
- **Object Oriented Programming** (OOPs) techniques were implemented to improve code maintainability and readability.
- Implemented **RESTful APIs** and web services using technologies like **Spring MVC** facilitating seamless communication between front-end and back-end systems.
- Integrated third-party APIs and services, such as payment gateways or social media platforms, to enhance the functionality and features of the backend applications.
- Implemented authentication and authorization mechanisms, such as **JWT** and **OAuth**, to ensure secure access control and data protection.
- Implemented **SQL** Queries to interact with the database and constructed **PL/SQL** Triggers, Functions, and Procedures.
- Wrote SQL queries and **PL/SQL** - Stored procedures, functions, triggers, cursors, sequences, and indexes for Batch operations.
- Collaborated with cross-functional teams, including front-end developers, testers, and designers, to deliver end-to-end solutions and ensure seamless integration of components.
- Conducted code reviews and implemented best practices for code quality, maintainability, and scalability, following industry standards and guidelines.