Pavan K Atmakuri

Java Full Stack Developer | pavank99099@gmail.com | +1 6788135155

https://pavanatm9909.github.io/my\_website/

As a Software developer I have experience in Design, Development and Architecting activities including Requirement Analysis, Implementation, Packaging and Deployment, developing Web based and distributed J2EE Enterprise Applications and expertise in implementing Object Oriented Programming OOPS with Java, J2EE. I have developed products for internal and commercial products and excellent experience in gathering requirements, determining business logic and complete system design.

**Professional Summary**

* **Full Stack Java Developer** with Around **5 years** of experience in design, development and testing of Web applications based on **Java/J2EE.**
* Involved in all phases of **SDLC** from analysis, design, development, testing and maintenance.
* Experience in developing web applications using various modules of spring including **spring CORE, IOC, MVC, Spring Security, Spring batch etc.**
* Worked on developing cloud native applications using **Spring boot and Spring micro-Services.**
* Experience in **Object Relational Mapping (ORM)** using **Hibernate** and **Java Persistence API Standard (JPA)** for database Connection Pooling, Mappings and Transaction Management.
* Expertise in **Java** programming and a good understanding of **OOPs, Collections, Exceptions Handling, Input/output (I/O) systems, Annotations, Concurrency, Multi-Threading, Lambda, and Generics.**
* Proficient in utilizing the **Java Collections Framework**, including Lists, Sets, and Maps, to manage and manipulate data efficiently.
* Extensively worked on **Micro Services** using **Spring Boot, Spring Data, and REST**
* Experience with build tools including **Maven, Gradle, and Jenkins Version.**
* Expert in developing enterprise web-based applications based on Java technologies using **J2EE, EJB, Java Servlets, Struts, Java Beans, ANT,** and **Apache Maven.**
* Experience with database management like **Oracle, SQL Server, MySQL, MS Access,** **NoSQL MongoDB, Cassandra.**
* Experience with messaging systems like **Kafka**, **ActiveMQ**, and **RabbitMQ**.
* Good understanding and working experience in Object-Oriented JavaScript programming and JavaScript **MVC frameworks**.
* Strong development skills in **Core Java,** **J2EE(TM), JDBC, JSP, Servlets, EJB, JNDI, RMI, XSL, and JavaScript**.
* Followed Waterfall, and Agile methodologies like **Test-Driven Development** (TDD), Scrum, and Pair Programming.
* Experience in developing a full-fledged **REST API** server with an open-source NoSQL database that uses a document-oriented data model **MongoDB** and **Mongoose** connector.
* Good experience in **PL/SQL**, writing stored procedures, functions, and triggers.
* Unit tested web services using **Junit**, **Mockito**, Easy mock, Spock, and **Test NG** and hence achieved the goals of **Test-Driven Development** (TDD).
* Good proficiency in **Python** frameworks Like **Django** and **Core Python** fundamentals and programming.
* Writing reusable, testable, and efficient **Python** code.
* Set up **Jenkins’** server and build jobs to provide continuous automated builds based on polling the **Git** source control system.
* Excellent team player, dynamic, flexible with a positive attitude, and excellent learning skills.
* Hands-on experience in Server-side scripting languages and Client-side scripting languages like **HTML5, CSS3, JavaScript, jQuery, JSON, Bootstrap, AngularJS, Angular 13.**
* Hands-on Experience with Angular 13 technology for one complete project in rebasing the UI of the application using the techniques in Angular.
* These decorators allow you to access elements and **components** within a component's view and content projection.
* Great experience of working with authorization and authentication of web services using **OAuth** 2.0, **SAML** and **JWT** (**JSON** **web** **tokens** to securely transmit information between parties as a JSON object).
* Experience in data aggregation and search using **Elastic** **Search.**
* Experience on different **IDEs** such as **Eclipse, RAD, Spring Tool Suite, IntelliJ** and deployment using Web/Application Servers like **Apache Tomcat, BEA WebLogic, Web Sphere** and **JBOSS.**
* Experience in Kubernetes to deploy scale, load balance and manage **Docker** containers with multiple name spaced versions and good understanding of Open Shift Platform in managing Docker Containers and Kubernetes Clusters.
* Assessing project requirements and designing an appropriate data storage strategy using Redis.
* Setting up Redis databases and managing data population, ensuring data integrity and consistency.
* implemented Team Foundation Server (TFS), Subversion, Git and GitHub as Version Control tools. Have a good knowledge on BitBucket.
* Experience in **Active MQ** and **KAFKA** for exchanging messages asynchronously**.**
* Excellent written and verbal communication skills, Analytical, Problem-Solving skills
* Ability to work as an Individual Contributor as well as leading a team towards delivering the projects successfully.

**Technical Skills**

**Java/J2EE Technologies:** Servlets, JSP, JSTL, JDBC, JNDI, JSF, JPA, RMI, Kafka, JMS, Microservices, Log4j.

**Application/Web Servers:** Oracle WebLogic, WebSphere, Apache Tomcat, JBOSS, IBM Web Sphere.

**Frameworks:** Spring Boot, Hibernate, Spring Security, JSF, Struts, AOP, JSP.

**Design patterns:** MVC, Front Controller, Session Façade, Singleton, and DAO patterns.

**Web Services:** REST (JAX-RS), SOAP(JAX-WS).

**Database Servers:** Oracle, MySQL, PL/SQL, MongoDB.

**Build Tools/Testing:** ANT, Maven, Gradle, Jenkins / Junit, Mockito.

**Container Technologies:** Docker, Kubernetes, Open shift.

**Professional Experience:**

***Tiffany & Co, New York Nov 2022 – Present***

***Java Full Stack Developer***

***Responsibilities:***

* Involved in various phases of **Software Development Life Cycle (SDLC)** as requirement gathering, analysis, design documentation, development, deployment and production support of the application.
* Extensively used **Java 8** features like **lambda expressions** for communicating between business layer and database, stream API for Bulk Data Operations on Collections using both streams and parallel streams.
* Designed end to end web applications using Java/J2EE, **Spring Boot,** **Spring Security**, **Spring JPA**, Spring MVC, Spring Rest Web services, Sybase ASE, MS SQL database.
* Extensive experience in Java programming, with in-depth knowledge of core concepts, **data structures**, and **algorithms**.
* Designed and implemented a robust data model, including database schema and **CRUD** operations for products and inventory items.
* Designed and implemented custom **Java collections** and **data structures** tailored to project-specific needs, improving performance and functionality.
* Utilized Java **multithreading** to handle real-time updates and ensure data consistency.
* Implemented microservices architecture using **Spring Boot**, reducing coupling between components, and enhancing system reliability.
* Designed and implemented **RESTful APIs** using **Spring Boot**, achieving consistent and well-documented endpoints for seamless integration with front-end and third-party services.
* Integrated **Spring Boot** applications with message brokers to enable asynchronous communication between services, enhancing system responsiveness and fault tolerance.
* Used Jenkins as **CI/CD tool** to deploy all applications for different environments **(DEV, QA, and PROD)** with CF manifest files to the PCF platform.
* Used **JQuery** framework for creating front-end applications and for Client-Side validations.
* Implemented **AJAX** functionality using **JQUERY, JSON and XML**.
* Showcase your ability to deploy and manage **microservices** in a containerized environment.
* Securing **microservices** through authentication and authorization mechanisms like OAuth, JWT, or API gateways, and your ability to implement security best practices at the microservice level.
* Expertise in developing applications using **Kafka,** including your ability to design and implement event-driven architectures and build scalable and reliable messaging systems.
* Familiarity with Kafka **Streams,** a client library for building real-time stream processing applications, and showcase your ability to perform data transformations, aggregations, and analytics on Kafka topics.
* Develop **AWS** services with VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), IAM, CloudFormation, Route 53, CloudWatch, CloudFront, and CloudTrail.
* Create and Develop **S3 buckets** in the AWS environment to store files, sometimes which are required to serve static content for a web application and data needed to fetch in AWS Athena.
* Extensive experience in designing, developing, and deploying serverless applications using **AWS Lambda**. Deep knowledge of event-driven architectures, microservices, and serverless computing patterns.
* Used **Log4J** to log the messages in the application.
* Implemented **JUnit** test cases to unit test the code.
* Used **Jenkins** to build the pipeline to provide continuous integration service.
* Wrote **SQL queries** and stored procedures to interact with the DB.
* Used **agile** methodology for the software development.
* Developed the user authentication and authorization by using Spring Security OAuth2.0 and JSON Web Token (JWT).
* Collaborating with other teams to ensure smooth integration of Redis into the application stack.

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**Environment:** Java 8, spring, Spring Boot, Hibernate, MVC, Micro Services, HTML5, CSS3, JavaScript, AngularJS, Angular 8, Node JS, AWS Services, AWS DynamoDB, Bootstrap, Azure, AJAX, JSON, DOM, Docker, Jenkins, JMS, JSF, XML, DAO, Log4j, Kafka, JUnit, SQL, PL/SQL, MYSQL, Redis, Postgresql, GraphQL, OAuth 2.0, Agile, Kotlin, TDD, and Windows.

***mckesson, Austin , TX Jun 2022 – Nov 2022***

***JAVA/J2EE DEVELOPER***

***Responsibilities:***

* Involved in requirement gathering, Analysis, Design, Development, documentation, UAT and Production phases of the application.
* Utilized **Java 8** features like Lambda expressions for collection evaluation and comparing the data, Stream API for Bulk data operations on Collections which would increase the performance of the Application, Parallel operations on collections for effective sorting mechanisms and to change the sequential stream flow of threads while session establishment.
* Used **Spring MVC** to handle/intercept the user requests and used various controllers to delegate the request flow to the back-end tier of the application.
* Used **Spring Boot** which is radically faster in building **Micro Services** and develop spring-based application with very less configuration.
* Used **Spring Boot** to dynamically wire up beans and settings and applies them to the application context at startup of the application.
* Used Dependency Injection feature of build and release **Spring Boot** framework and O/R mapping tool **Hibernate** for rapid development and ease of maintenance.
* Implemented DAO layer using different **hibernate** techniques like strategies, Inheritance, annotations and criteria interfaces.
* Worked on **DynamoDB** database concepts such as **locking, transactions, indexes, replication, schema design, etc**.
* Created and worked with various SQL and NoSQL databases such as AWS RDS Aurora DB cluster, MySQL, DynamoDB, MongoDB and connected to the database through DB Instances using the AWS Java SDK.
* Designed and developed front view components using **HTML5 and CSS3.** Developed Interactive web pages using **AJAX and JavaScript.**
* Integrating and implementing cloud technologies using Java, J2EE, Spring Boot, Angular JS, Typescript, JavaScript framework and executing tasks such as coding, development, validation.
* Utilized core **Angular 8** features such as HTTP, Data Binding, Services and Dependency Injection.
* Used **Eclipse/STS IDE** to develop the different **J2EE** components.
* Utilized core **Angular 8** features such as HTTP, Data Binding, Services and Dependency Injection.
* Experience in developing Web-Applications implementing Model Template View architecture using Developed dynamic and responsive Web pages from scratch using **HTML5**, **CSS3** (using **SASS**) and **JavaScript, ES6**.
* Implemented nested views and routing using **Angular UI** Router as per the requirement. GUI was developed using **JSP**, **HTML**, and **AngularJS** and created reusable components in **Angular8/11** using Custom Directives Filters, Services, and Partials.
* Worked on **JMS** for developing messaging services and implemented message listeners for message processing and delivery.
* Involved in setting up **AWS** (**Amazon Web Services**) services with **EC2** instances, **S3 bucket,** IAM took part in deploying application in **AWS** along with writing and retrieving files to and from **AWS S3 bucket** for **UI** to render data faster.
* Involved in developing applications with **Stateless Session EJB’s and Message Driven EJB’s.**
* Used **Log4j** for tracking errors and debugging the code and Resolved bugs and Change Requests to already existing code.
* Involved in fixing bugs and unit testing with test cases using **JUnit** framework.
* Worked on the Web Services clients and **WSDL** generation. Integrated the clients with third party services in the other module of the application using **Restful** Services **JAX-RS**.
* Implemented the project under **Agile** Project Management Environment and followed SCRUM iterative incremental model and configured various sprints to execute.
* Actively participated and provided feedback in a constructive and insightful manner during weekly Iterative review meetings to track the progress for each iterative cycle and figure out the issues.
* Used SVN for version control and JIRA for defect tracking.
* Used Jasmine/Karma, JUnit for unit testing.

**Environment:** Java 8, spring, MVC, Spring Boot, Hibernate, Micro Services, RESTFul, HTML5, CSS3, JavaScript, React.JS, REDUX, Jasmine, Karma, React Native, Junit, AJAX, JMS, JSF, DAO, AWS, EJB, Log4j, JUnit, Jenkins, SOAP, MongoDB, SQL, PL/SQL, TDD, Agile and Windows.

***Polaris Financial Tech LTD, Hyderabad, India* *Nov 2019 – July 2021***

***Software Developer (Java)***

***Responsibilities:***

* Involved in **software development life cycle (SDLC**), which includes requirement-gathering, design, coding, testing.
* Developed rich Single Page Applications**, AngularJS, jQuery, AJAX, HTML/XHTML, JavaScript,** CSS, and **XML.**
* Worked with Bootstrap for compiling CSS**, JavaScript** and building the System with the convenient methods with **AngularJS**.
* Experience with tools like Docker Images/containers and Kubernetes.
* Developed Kafka connect configurations to write data from Kafka topics to Elastic Search.
* Used Spring Core Annotations for Dependency Injection (DI) Spring DI and Spring MVC for REST API s and Spring Boot for micro services.
* Used several Ansible modules which include scripting (bash, command), cloud modules
* Intense passion for automation and streamlining activities such as unit test automation and CI/CD.
* Used the Java API to load the data into Cassandra Clusters.
* Automated Data Integrity testing using **SQL, JDBC, and Selenium**.
* Integrate the Webservices using Apache Camel routing and **spring.**
* Worked with the **Database Schem**a design and normalization for database accessed by the procedural PHP pages.
* Configuring high availability using geographical **MongoDB** replica sets across multiple data centers.
* Worked in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Implementing Microservices to communicate with each other across applications. .
* Built an Application and deployed micro services in the **AWS Cloud using Docker** containers.
* Wrote AJAX calls to populate tables, tab menu and other components with JSON data in **AngularJS**.
* Experience in cross platform development using DOJO and used Jenkins for **CI/CD**.
* Extensively used **HTML5, Angular.js, JSON, AJAX** and DOM scripting for form validations.
* Developed generic web service architecture using **Spring Webservices** and Hibernate which could transform responses into **SOAP, REST, & JSON** allowing for rapid development and clean separation of core business logic and communication protocol.
* Designed REST middleware to connect **Android UI** with existing back end layer.
* Setting up and using Micronaut framework for Internal provisioning and services project.
* Using Micronaut framework to implement Microservices.
* Developed user interface using **JSP, jQuery** and used **JavaScript** for client-side validations and used AJAX.
* Developed **Apache Camel routes** and defined JMS endpoints for message processing and routing.
* To perform reporting and template creation for **JIRA** as directed by IT manager.
* Created **REST Webservices** to send data in JSON format to different systems using spring.
* Worked on Web Logic 12c for deployed interface modules.
* Setting up and using Micronaut framework for Internal provisioning and services project.
* Deployed the application on a WebLogic server on a **UNIX platform**.
* Wrote JUnit test cases for unit testing of the developed functionality.
* Developed a logging component using Log4J to log messages and errors.

**Environment**: JDK 1.7, Core Java, J2EE, JSP, AJAX, Log4j, jQuery, Docker, RESTful Web Services, ReactJS, JSON, XML, JAX-WS, Apache CXF, Angular 4, Spring, Hibernate, JavaScript, Angular2/4, HTML/XHTML, Bootstrap, EJB, ANT, JUnit, ECLIPSE LUNA, GIT, TIBCO, Tomcat, CSS, Oracle, WebLogic 12c

***Forsys Software India Pvt Ltd*,** ***Hyderabad, India*  May *2018 – Oct 2019***

***System Engineer (Java)***

***Responsibilities:***

* Deployed the service code through **Jenkins** to Quality Control and worked to resolve the test failures.
* Implemented WEB Service Layer for exposing services to other platform independent applications using **REST**.
* Handled complex **JSON** responses, converted and binded them to the $scope object.
* Using **node JS** to run grunt tasks and build properly the project (compile, minify, concat etc.)
* Used promises to do **AJAX** call to connect front-end and back-end.
* Implement modules into **Node JS** to integrate with designs and requirements.
* Maintained version control of code using Git.
* Deploy the applications in Application Server & Tomcat servers.
* Implemented Logging using **Apache** **Log4j** for the Data Extraction jobs.
* Used Hibernate as the persistence layer to interact with database.
* Integrated **Spring- Hibernate** Frameworks for **ORM** functionality in Spring Framework
* Used Spring Framework for annotation driven transaction management.
* Used Spring framework to **autowire/inject** components and configure the batch **jobs**
* Analyzing and understanding the business requirements and coordinating the team for all the enhancements and project deliveries which includes Co-ordination with various teams to procure the data to be indexed.
* Update existing equipment, performing tasks such as installing updating.
* Analyze equipment performance records to assess equipment functioning.
* Set up, tested and configured networks, desktops, laptops, and printers.
* Configured new employee workstations, including all hardware, software

***ENVIRONMENT:****Agile methodology, Hibernate, Spring framework modules, JSP, Oracle, MVC, Jira, Jenkins, JUnit, Maven, Log4J, Apache Tomcat, Spring Boot, Micro services.*

**Educational Qualifications**

***Bachelor of Technology, KL University, Guntur, Andhra, India, 2018***