Nayan Patil

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**PROFESSIONAL SUMMARY:**

* **7+ years** of professional **IT experience** in analysis, design, development, testing, delivery, and production support of application software.
* Expertise in designing, developing, and deploying applications using **J2EE** technologies including **Spring, JSF, JMS, AJAX, JDBC, JNDI, Java Beans Hibernate** and **Web Services.**
* Expertise working with frameworks like **Spring Core (DI (IOC)), Spring MVC, Spring Data (Spring JDBC, Spring ORM)**, **Spring Boot, Spring Batch, Spring Security, JSF and Hibernate.**
* Experience in several Spring Framework modules such as **Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot**, **Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Zuul**.
* Expertise in developing **SOA (Service Oriented Architecture), REST and J2EE Web Services based on SOAP, WSDL, JAXB, JAX-RPC** using tools like Apache Axis.
* Experience in working on various Spring modules (**Spring MVC, DAO** and **AOP**) along with Hibernate as the back end ORM tool for implementation of persistence layer and mapping of **POJOs.**
* Proficient in implementation of frameworks like **Spring** and **ORM** frameworks like **Hibernate,** using Hibernate annotations and **Data JPA.**
* Experience in using **JavaScript, jQuery, AngularJS, Angular 4/8, Type script** for enhancing client-side user experience and improving performance.
* Experience in **Angular 6** along with **Bootstrap, CSS3** to create reusable components for RWD applications.
* Experience in Integration **of Amazon Web Services AWS application like Amazon EC2, Amazon S3, Amazon Simple DB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS and Amazon Cloud Front.**
* Experience in designing and implementing application workflow using activity **BPM Platform.**
* Experience with **Git, Node.js, Python, Java, HTML5, CSS3, Shockwave Flash, or Apache Tomcat**
* Strong at **Oracle** and **SQL** back-end programming and providing interfaces between multiple databases and applications. Extensively used Stored Procedures, Functions and Triggers in **MySQL** and **Oracle PL/SQL**.
* Experienced in implementing Business Process Management **(BPM),** Services Oriented Architecture **(SOA)** using **Web Services** (**SOA, Restful,** **JAXB,** **WSDL** and **XML**)
* Proficient in XML technologies like **XSL/XSLT, SOAP, REST, WSDL, DTD, XSD, XMI, SOA, JAXB, JAXP.**
* Worked on messaging service (JMS) MQ's such as **JMS, RabbitMQ, ActiveMQ** and **Apache Kafka.**
* Proficient in various technologies like **EJB, JPA, JTA, JDBC, JMS, Log4J** and **JUnit**.
* Working experience of application servers like **WebLogic**, **WebSphere**, **JBoss** and **Apache Tomcat**.
* Expert in developing and debugging applications using **Eclipse IDE** and **IntelliJ** and good knowledge with **SVN** and Git version control.
* Experience in **SQL, PL/SQL** to write Stored Procedures, Functions, Triggers, Views and strong experience in RDBMS using **Oracle Db** and NoSQL database **Mongo DB.**
* Experience in writing **Maven** scripts for project development and deployment
* Experience in issue tracking and agile project management activities using **JIRA**.
* Experience in **Shell Scripting** Under **windows** and **Unix/Linux** operation system.
* Worked in **ReactJS** for creating interactive UI using One-way data flow, Virtual DOM, JSX, React Native concepts.
* Experience in designing User Interface applications and web applications using **HTML5, CSS3, JavaScript, jQuery, AJAX, JSP, JSON, Bootstrap and Angular JS.**
* Hands on experience in **Angular.js, Angular 4, React.js and Node.js.**
* Strong User interface development experience using JSPs including **Tiles framework**, **custom tag libraries**, **Swing API**, and **HTML**, JavaScript is implemented in several applications.
* Involved in resolving Production Issues, Analysis, Troubleshooting and Problem Resolution.
* Excellent communication and interpersonal skills, quick learner, self-motivated, ability to work individually and as well as in a team environment with good team spirit.

**TECHNICAL SKILLS:**

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| **Languages** | Java 7,8,11 J2EE, C++, NoSQL, PL/SQL, HTML, XML. |
| **Design Patterns** | MVC, Business Objects, Business Delegates, Façade, Singleton, Front Controller, Dependency Injection, Data Access Objects. |
| **RDBMS** | Oracle, My SQL, SQL Server 2012/2008, Microsoft Access. |
| **Application/Web** | Apache Tomcat, Microsoft IIS, Apache HTTP Server, WebLogic 8.1/9.1/10.3 |
| **Web Technologies** | Spring MVC, Struts, AngularJS, Hibernate, JSP/JSTL, JUnit, Servlets, XML, Microsoft Web Developer, JavaScript, XHTML/HTML5, WebLogic, Angular JS &amp; 2, Websphere. |
| **J2EE Technologies** | Collections, Generics, Multithreading, Serialization, Exception Handling, RMI, File I/O, JDBC 1.x/2.x/3.x, JNDI 1.1/1.2, Servlets, JSP, JavaBeans, JMS, Java Servlets, Struts, Spring (Core, MVC, DAO, AOP, Security,  Batch, Boot). |
| **Core JAVA/APIs** | Multithreading, RMI, Collections, IO, Servlets, AWT, JDBC 3.0, RMI, JNDI, Java Mail API, JMS. |
| **Frameworks** | Struts 1.x/2.x, spring 2.x, EJB 2.x, Hibernate 2.x/3.x, iBatis2.x, MQ, WebLogic Portal 10.3, Apache Axis2.0, JAX-WS, SOA, Ajax, DOJO 1.3, LOG4J,Vaadin(UI) |

**PROFESSIONAL EXPERIENCE:**

**Client:** **Verizon Mar 2022 – Present**

**Role: Sr. Java Backend Developer**

**Responsibilities:**

* Working in Agile environment following **SDLC** methodology. Need to attend scrum calls to provide support on defects on daily basis.
* Involved in SDLC process to gather information on **business overflow, development, and maintenance** of the application.
* Involved in creating and maintaining technical artifacts to satisfy business requirements.
* Responsible for providing status updates to the senior management. This duty includes coordinating the development progress and its status to the business owners, stakeholders, and senior management to get feedback. This feedback improves the application and its performance.
* Setting up and configuring **Kafka** Environment in **Linux** from the scratch and monitoring it.
* Implemented Authentication & Authorization with Site Minder and **Spring security**.
* Developing Single Page Applications (SPA) using **JavaScript** **MVC** framework **Angular 7**.
* Defined and developed the application’s presentation layer in UI development with technologies like **HTML 5**, **CSS3**, **bootstrap, JavaScript** and **Angular 7.**
* Developing web pages using **Angular** Framework and working with various Angular directives and services and Filters to build the Applications. Consumed **HTTP** services using **Angular 7** modules.
* UI Development via tools such as **HTML**, **CSS**, **JavaScript,** and associated frameworks like Dojo, **Angular 7**.
* Developed Application to assess **JSON** and **XMl** from **Restful** web service from consumer side using **Angular 7.**
* Experience in end-to-end development and migrating the application to Cloud using the **Amazon web services** (AWS) availing services of AWS like **EC2,** **Elastic Beanstalk, Elastic Search, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, RDS, Elastic Cache, SNS, SQS, AMI and Dynamo DB**.
* Integrated **EJB** with **JSP** and managed application state management, Business Process Management **(BPM)** using **JBoss** Seam.
* Involved in developing the application using **MVC framework** and microservices architecture. Mainly responsible in backend development using core **Java/ J2EE** technologies, multithreading and implementing enhancements to integrate with database systems.
* Used Core Java and advanced **Java 8** features like **Lambda expressions, Streams, Method reference, Collections, etc.**
* Used **Java 11** features like utility methods, local-Variable Syntax for Lambda Parameters, Nested Based Access Control and Reading/Writing Strings to and from the Files.
* Managed and configured (AWS) cloud services like **EC2, S3bucket, Security groups, RDS, EBS, ELB, Auto-scaling, AMI, Elastic search, IAM** through AWS console and ApI integration.
* Design, build and manage the **ELK (Elasticsearch, Logstash and Kibana)** cluster for centralized logging and search functionalities for the APP.
* Worked with **DevOps** tools like Jenkins for continuous integration, **SonarQube** for maintaining code quality, **Gitlab** as a remote repository, and **JIRA** for issue tracking.
* Part of Backend team to handle **My Verizon App** and responsible to work ER defects.
* Java collections like **Set, List, Map, Multithreading, Servlet, and Exception handling** were utilized in back-end coding and development for this project.
* Developed server-side APIs under **Node.js** runtime environment with **Express.js** framework as back-end server, using **Node.js** to implement **microservice.**
* Extensively used **STS, IntelliJ** for developing, debugging, integrating, and deploying the application.
* Extensively used **Maven** to build the application and **deploy on Tomcat Server.**
* Configured and administered **GIT Actions** for CI/CD into the integrated Tomcat Application Server which is hosted in the **Kubernetes** containers.
* Worked with **Swagger UI and GraphQL** Playground to expose APIs as back-end Components.
* Worked with testing frameworks such as **Junit, Mockito** and Performed GUI, Functional and Regression testing.
* Worked in coding with **AngularJS, jQuery UI, and jQuery** mobile to add functionalities and effects like Slider bar, Draggle, Resizable, progress bar.
* Design, develop, and deploy web applications using **AWS services** such as **EC2, S3, Lambda, and DynamoDB**
* Setting into operation analytical engines that take data from API data sources, provide it back as an API, or persist it into a NoSQL platform **(MangoDB).**

**Environment**: Java 1.7, J2EE, Agile, AWS, JDBC, Spring MVC, XML, HTML, CSS, Apache Tomcat, SQL, PL/SQL, Oracle11g, Jira, GIT, Microservices, Angular 7, Eclipse, Java 11, Spring, Spring Boot, STS, Maven, GitHub, Jira, REST API, Oracle, Agile, Windows, Linux Lambda, Kubernetes.

**Client: HPE Nimble Storage, Raleigh, NC Feb 2021- Mar 2022**

**Role: Java Full-Stack Developer**

* Developed the application involved in multi-tier **J2EE** design utilizing **Spring, Spring AOP, Spring Security, Spring Boot, Spring Batch and Spring ORM frameworks.**
* Used **Annotations** for **Dependency Injection** and **Spring Boot** for Micro services.
* Used **RESTful Services** to interact with the Client by providing the **RESTful URL mapping**.
* Used **Spring Data** Repositories to perform **CRUD** operations.
* Developed **Micro-Services** and created **API's** using Java Spring Boot framework using **Maven** as a build tool and **Oracle** as an enterprise level database.
* Worked on Web application development using Client script design technologies like **jQuery, HTML, CSS, XML, Java Script.**
* Used **HQL**, Named Parameters, Queries, and Interfaces such as **Expression, Query and Criteria** for
* implementation of **Hibernate** template and used **Hibernate** Cache.
* Responsible for implementing the workflow and business process management of our application using activity **BPM Platform.**
* Developed the applications using **DJANGO 1. 7** MTV framework which is based on model template view design pattern.
* Experience in application servers like **Tomcat** locally and **Web logic** to host it on the **Linux server**.
* Worked with **Oracle Indexes** to increase the performance of Oracle SQL queries.
* Worked on **Tomcat** for deployed interface modules and used Oracle for persist the data getting from external system.
* Used **Log4j** for logging all the debugging and error information.
* Worked with **Jenkins** in setting up CI/CD pipeline for dev environment and involved in setting up **GIT.**
* Designed UI pages using **JSP, HTML, Angular JS, JavaScript, CSS, AJAX, JQUERY, JSP, JSON and Tag libraries**.
* Deployed **Micro-services** as **Restful** Java Web Services on **Amazon Elastic Beanstalk.**
* Upgraded **Spring Rest Controllers** and Services classes to support migration to **Spring** framework.
* Developed **spark** jobs for batch processing and worked on **spark SQL** and **spark streaming**.
* **Docker** containers were used to deploy the applications as part of scaling application using **Micro services.**
* Migration of Existing Application to **AWS** cloud. Used Amazon Web Services (**AWS**) like **EC2, S3**, **Lambda**, **RDS, cloud watch** and **Cloud Front** for promoting code in various environments.
* Designed and Developed enterprise level **Angular 7** component libraries such as data-tables, autosuggestion, pagination etc. Implemented server-side **validations,** to **handle actions** and **Events** and **Encapsulation.**
* Developed several reusable directives using **Angular 7**.
* Enhanced application performance by Angular 6 Component-based development in view of future Angular framework transitions
* Re-design and improve the webpages and its performance using **HTML/CSS3/Bootstrap/JavaScript**.
* Worked on **Angular 4** by consuming **Restful web services** and used Angular forms like template driven forms and modern driven (reactive) forms to perform validation both on server and client side.
* Used **Postman** to check the response of various **API’s, Swagger UI** as visual documentation for back-end implementation and client-side consumption. Handled various exceptions based on the response.
* Installed **Kafka** on the cluster and configure producer and consumer coding part in java to establish a connection from source to HDFS with popular has tags.
* Built real time pipeline for streaming data using **Kafka and Spark streaming.**
* Wrote **a Hibernate** configuration file, hibernate mapping files and define persistence classes to persist the data into **Oracle Database.**
* Provided connections using **Spring JDBC** to the database and developed **PL/SQL** stored procedure, **SQL queries** to manipulate the data.

**Environment:** TOAD, Kafka, Bootstrap, Maven, Putty, Selenium Web driver, Microservices, Java 8, Spring, Spring Boot, Microservices, Spring (AOP, Security, Angular, Batch, ORM), Spring DATA, JAXB, Oracle, Rest API, Maven, Jenkins, Jira, Tomcat, Linux, Python, Django, GIT, Agile, Windows.

**Client: Guide well, Jacksonville, FL Aug 2019 – Feb 2021**

**Role: Sr Java Developer**

**Responsibilities:**

* Involved in Requirements gathering, Development, Testing, and delivery of application.
* Implemented Java EE components using S**pring MVC, Spring IOC**, Spring transactions and Spring security modules to provide technical guidance on building solutions using PaaS and other services.
* Applied Core **Java** with strong understanding and working knowledge of Object-Oriented Concepts like **Collections, Multi-Threading, Concurrency framework.**
* Upgraded **Spring Rest Controllers** and Services classes to support migration to Spring framework.
* Used **Eclipse IDE** for application development. Used Jenkins tools for building automation to compile and generate **EAR and WAR files.**
* Developed Application to access **JSON and XML** from **Restful** web service.
* **Jira** tracking portal was used to monitor defects in Production/QA environments.
* Deployed the Java application using **MAVEN build script.**
* Involved in the development of presentation layer and **GUI framework** using **Angular JS, HTML5**
* Provided technical assistance to resolve issues identified in production and presented solutions to the end users.
* Experience in Message oriented Middleware implementation using **JMS** and **Apache Kafka.**
* Using **SOAP UI** performed different levels of testing in all level **Development L1, Integration L2, System L3, Performance L4 and Production**
* Using **Kafka** for publish/Subscribe pattern in application dealing with messaging.
* **Apache Kafka** is used to send message objects to client queues and topics.
* Involved in configuration and usage of **Apache log4j** for logging and debugging purposes.
* Implemented **Ajax script** to validate the user input before submitting to server.
* Written with object-oriented **Python, Flask, SQL, Beautiful Soup, HTTPLIB2, JINJA2, HTML/CSS, BootStrap, jQuery, Linux, Sublime Text, GIT**.
* Part of the team implementing Rest APIS in **Python** using micro-framework like **Flask with SQLALCHEMY** in the backend for management of data center resources on which OpenStack would be deployed.
* Worked on **NoSQL** database like **MongoDB** installation, configuration in designing MongoDB multi-shared cluster and monitoring with MMS.
* Experience in managing large datasets using MongoDB and Casandra for modeling and development.
* Extensively involved in administration portal management developing the Micro services with latest technology and frameworks using **Java/JEE, Spring Boot, Spring Cloud, Spring Data, Docker, Mongo Db, NoSQL.**

**Environment**: Agile, Servlets, Windows, Linux, JDBC, Hibernate, spring, Angular, Kafka JSPs, JavaScript, Python, Django, DB2, SQL SERVER, Oracle SQL, NoSQL, Angular 4, Angular 6, AS400, XML, Log4J, Eclipse IDE, SVN, Azure, Jenkins, Lambda

**Client: Applied Materials, Hyderabad, India May 2016 - July 2019**

**Role: Python/Java developer**

**Responsibilities:**

* Responsible for analysis, design and implementation of different modules using Agile Methodology
* Designed the front end of the application using **Python, Java, Html, CSS, Ajax, Json, and jQuery.**
* Used **JavaScript and XML** to update a portion of a webpage and node. JS for server-side interaction
* Worked on **Python OpenStack** APIS and used NumPy for numerical analysis.
* Developed views and templates with Django view controller and template language to create a user-friendly website interface.
* Used **Strut framework** to develop enterprise web applications.
* **Java Servlets** as **access/task controllers** and **Java Beans** components were developed to implement business logic.
* Implemented the application using design patterns such as**Session Facade, Business Delegate, Bean Factory, Singleton, Data Access Object, and Service Locator**.
* Designed classes in backend to process various requests from front end and to generate responses using **Servlets, core java and Oracle SQL Developer.**
* Wrote Junit test cases to achieve desired code coverage percentage using **Codacy** to deliver bug-free software.
* Used **PaaS** for cloud computing services.
* Implemented **AWS IAM** for managing the credentials of applications that run on **EC2** instances.
* Creation of **REST Web services** for the management of data using **Apache CXF**
* Micro Services were built using spring boot, spring cloud and deploying to **AWS cloud.**
* Setup and build AWS infrastructure using various resources, **VPC, EC2, S3, Dyanmo DB and RDS** in cloud formation **JSON templates.**
* Used **GitHub** to maintain the version of the files and took the responsibility to do the code merges from branch and create a new branch when new feature implementation starts.
* Used **IntelliJ IDE, Postman, and Git** for application development as well as to access the logs for the API’s.
* Develop various screens for the front end using **React JS** and used various predefined components.
* Worked on user interface using **HTML, CSS, JSP** to validate client-side performance using **JavaScript.**
* Developed Database Procedures for updating, Inserting, and deleting table for a complete logical Unit of Work (LUW) using **PL/SQL** under **MySQL** Database Server.

**Environment:** Java, JDK 1.6, JSP, JSF, JDBC, Strut2, JNDI, JMS, Java Persistence API. Web Services, Apache Tomcat, WSDL, SOAP, RAD, Eclipse, DOM, SAX, XSLT, CSS, JavaScript, HTML, XML, SQL, PL/SQL, Python, Django.

**Education:**

* **Bachelor’s in Chemical Engineering (Dr. Babasaheb Ambedkar Technological University, 2016)**
* **Masters of Science in Environmental Science and Policy (University of South Florida, 2021)**