Bhupati Pradhan

Java developer with 4+ years of exprience

📞 Mobile :   ✉ Email : dev.bhupatipradhan@gmail.com   📍 Location : Bengaluru

An adept professional with over 6+ years of experience in crafting top-notch code for applications, demonstrating proficiency in cross-platform development. Skilled in creating vital app features and tailoring software to fulfill user requirements.

⚙ Skills

- **Language**
Java 8, 11 , 17
- **Java Technology**
JDBC, Servlet, JSP
- **Framework**
Spring 5.x, Spring Boot 2.x , Spring Boot 3.x
- **Spring Module**
IOC, DataJPA, Batch, AOP,
MVC, Security, Microservices
- **Web Services**
Spring Rest
- **Databases**
Oracle, MySQL, PostgreSQL , mongoDB, neo4j
- **UI Technology**
HTML, CSS

- **IDE**
Eclipse, STS
- **Operating System**
Windows , linux
- **Server**
Tomcat, WildFly, glassFish
- **Tools**
Maven, Gradel, log4j, Git, JUnit,
JIRA, Mokito , Jenkin, Sonar cube,
Postman, PuTTY, winSCP
- **Cloud Technology**
AWS
- **Script**
Shell script, JavaScript , node js

💼 Work experience

2019/August- 2020/April   **Spectovision Technologies pvt.ltd**   **Trainee**

As a trainee intern in an IT development company, prioritize learning technical skills such as programming languages and software development lifecycle phases. Develop problem-solving abilities, communication, and time management skills. Understand the importance of documentation, testing, and continuous learning. Embrace professionalism for effective collaboration and career growth.

2020/Dec - 2024/May   **THOUGHTi India pvt.ltd**   **Team Lead and senior java developer**

I embarked on my professional journey with the Organization as a Java Developer, eager to contribute my skills and passion for software development. Over the years, my role has evolved, and I have embraced new challenges and responsibilities with enthusiasm.
Throughout my journey, I have consistently been appreciated by team members for my sense of responsibility and innovative problem-solving. I take pride in contributing ideas that not only address challenges effectively but also enhance the overall efficiency of our projects.

2024/sept- Current   BIG 4   Consultant

```
I am currently working as a consultant at BIG4 with 1.3 years of experience in
software development and cloud engineering. My technical expertise includes Java,
Python, and various DevOps tools. I have worked on AWS-based solutions and
automation initiatives. I also contribute to Generative AI projects, focusing on
practical enterprise use cases.
```

Personal Evaluation

- An extensive record of developing Java application projects from start to ends, including need specifications, planning, designing, implementing, configuring, documenting, and closing for our customers.
- Technical proficiency includes developing object-oriented business applications with Java, JDBC, Servlet, JSP, Hibernate with JPA, Restful Services, MicroServices, Spring, and Spring Boot.
- Met the client's goal ahead of deadline by performing testing and validation of the developed logic.
- Expertise in third-party library integration, application design, and support.
- Adopted Agile & Scrum techniques to carry out application development.
- Proficiency in managing the Software Development Lifecycle (SDLC), starting with requirement analysis and ending with documentation (technical design and functional specifications).
- When working on a project, I always stick to coding standards and design patterns because they make the code easier to read and keep the apps functional.
- Involved in rebuilding required solutions and analyzing business requirements to optimize and simplify the processes.
- A forward-thinking individual possessing robust communication, analytical, and organizational skills. Demonstrates a well-organized approach with a track record showcasing self-motivation and creativity in achieving corporate goals.

Education

Bachelor's in Electrical Engineering from **Gandhi Institute For Technology**, Bhubaneswar.

Projects

Epic-Mapping
Role: Developer
Description: In this project, we are mapping to a POJO class in order to retrieve the EPIC EMR (Electronic Medical Report) and store it in a Mongo database. A trigger is made to keep an eye on database changes; if the user makes any, it generates EPIC data and sends it to the EPIC server. The client can maintain bulk data with just one click thanks to its design. The program was created with **Java, Hibernate, Spring Boot, Apache Camel. and MongoDB.**

E-health Exchange
Role: Developer
Description: Exchange of health information is supported by this application, both nationally and locally. To ensure that health information exchanges are compatible with other exchanges being set up

throughout the organizations, applications use secure network standards. By utilizing nationally accepted interoperability standards, it can assist in the establishment of health information exchanges and the sharing of data. The application was created with the help of **java, spring, mysql, servlet, jdbc, and mySql**.

Tenant Management

Role: Developer

Description: Clinics use custom authentication logic for login, and multiple FHIR R4 resources are used to store data in the database. It is used to register and store multiple clinics and their data under a single DB by using unique ID or name. Clinics cannot share their data with other clinics without proper authentication. Application was developed using **Java, JSP, Spring Boot, Hibernate, Web Services, RESTFul Services, and MySQL.**

iMTD

Role: Developer

Description: An organization can look up, verify, and translate medical terms with iMTD. A container for any structured medical terminology database is offered by iMTD. Although it can use any database with a structured terminology database, it uses data from the Unified Medical Language System (UMLS). Entire code sets, lists of controlled terms, and classifications related to patient care, health services billing, public health statistics, biomedical literature indexing and cataloging, basic, clinical, and health services research are available in electronic format.

It is compatible with many terminologies offered by UMLS, including SNOMED CT, LOINC, ICD-9, ICD-10, CPT, and RxNorm.

The application was developed using **Java, Spring Boot, Hibernate, RESTFul Services, Apache Ctakes, UMLs, and Postgres SQL** .

Responsibilities:

• Investigated on working on Apache Ctakes and UMLS standards.
• Added API to analyze text document and Codes.
• Optimized the code for quick response.
• Implemented multithreading for batch processing.
• Used postgre sql for maintaining large DB.

Smart On FHIR

Role: Senior Developer and TL

Description: The purpose of this application, which makes use of the g10 Standardized API, is to achieve ONC Certification. There are protocols for authentication and authorization. Utilizing HAPI-FHIR with unique codes serves as the project's cornerstone. To test the requirement, FHIR R4 resources are being used. **Java, Spring Boot, Hibernate, Web Services, RESTFul Services, React, and Node.js** were used in the development of the application.

Responsibilities:

• Created APIs. And tested them as per requirement.
• Customized the Hapi-Fhir server.
• Added interceptors and providers.
• Added OAuth2 logic for authorization.
• Created resources in DB for testing purpose.

Neurex

Role: Senior Developer and TL

Description: Neurex, an AI-based product, harnesses the power of advanced algorithms and natural language processing (NLP) to extract valuable information from lengthy, unstructured patient notes. This crucial data, often containing significant clinical insights, is then transformed into actionable insights for various stockholders. By leveraging AI and NLP, it also efficiently identifies the most suitable 'SNOMED CT' code, a standardized clinical vocabulary used in electronic health records, resulting in time savings. Neurex saves significant clinician time, a crucial benefit growing workloads and staff shortages in the healthcare industry. **Java, Spring Boot, Hibernate, Web Services, RESTFul Services, react, node.js, and HL7** were used in the development of the application.

Responsibilities:
• Worked on FHIR resources.
• Added logic to search and identify the terminologies.
• Gone through HL7 standards and created HL7 request body.
• Developed user management app and APIs.
• Implemented selenium automation.

Intellicentrics

Role: Senior Developer

Description: As a developer, I am collaborating with their team on this project to design and create a comprehensive healthcare solution. We are using the FHIR r4 standard resource to maintain all types of data. We developed functionalities like appointment scheduling, insurance, credential management, practitioner management, and patient management etc. The application was developed using **Java, Spring boot, Hibernate, Web Services, node, java script, aws, kafka, log4j, docker, jenkins, shellscript, python, wso2 api gateway, fhir , sonarqube**.

Responsibilities:
• Worked on full integration and implementation of Hapi-fhir server followed by FHIR R4 standards.
• Added support for customized role-based authorization in Hapi-fhir server.
• Designed multiple interceptors and providers to perform custom operations based on company requirements.
• Investigated and gone through source code of Hapi-fhir to create custom resources.
• Created optimized search queries to fetch desired resources with accurate results. For this we have used FHIR search standards.
• Created custom search parameters.
• Worked on Optimization of search result, while searching through fhir search parameter.
• Worked on multiple microservices like calendar, pdf-fill, credential etc.
• Created multiple APIs to perform GET, POST, PUT and PATCH. And added API level authentication interceptor.
• Used Feign client for inter service communication.
• Implemented Apache kafka for message handling between microservices.
• Created Events, which is used to trigger required microservices based on the logic.
• Used pdfBox , iText libraries to read and fill form pdf.
• Implemented wso2 api gateway for authentication of API access by a user.
• Integrated third party EHR like epic and cerner.

• Worked on migration of microservices from springBoot 2.x and java 8 to springBoot 3.x and java 17.
• Written multiple DB queries to extract and filter exact data from multiple tables.
• Written Test cases for every new line of code.
• Always maintain Sonar-cloud code coverage and quality.
• Worked on Node script to modify the existing data or to fix the data in DB.
• Used AWS dynamoDB, kinesis for event messaging.

I hereby declare that all of the details furnished above are true to the best of my knowledge and belief.

Date: __/__/____   Bhupati pradhan
Place: Signature