

EXPERIENCE SUMMARY

- Highly motivated, creative and versatile IT professional with over **5 years** of experience in both Front-end and Back-end development catering to a Full-stack expertise in **Java/J2EE technologies like Spring MVC, Spring Boot, Hibernate, Spring REST, Servlets 2.x, JDBC, Exception Handling, Multi-threading, JavaBeans, I/O and Collections.**
- Experience in Microservices Architecture with Spring Boot and Kubernetes
- Credible experience in development and deployment of applications using application and web servers like **Tomcat.**
- Proficient in various Web based front-end technologies like **HTML5, CSS3, Angular, jQuery and JavaScript.**
- Proficient in developing Web Applications using **Spring Framework** along with hands on experience on **IOC, MVC, Spring Security, Spring Core, Spring REST, Hibernate ORM and Web Service Integration (JAX-WS and RESTful Web Services).**
- Experienced in working with relational databases like **MySQL** and **Oracle**, database programming language **PL/SQL.**
- Expertise in **Junit** testing frameworks to automate **Unit Testing** under **TDD** methodology.
- Experience in implementation of **Java Messaging Service (JMS)** to create, send and read peer-to-peer as well as broadcast asynchronous messages.
- Extensive experience with Java complaint IDEs like **Eclipse, IntelliJ, NetBeans** and **STS.**
- Proficiently experienced with **Software Design patterns.**
- Experienced with various Software design patterns like **Model View Controller (MVC), Data Access Object, Proxy, Factory, Singleton, etc.** in the development of Enterprise Applications.
- Involved in complete **Software Development Life Cycle (SDLC)** phases which include Requirement analysis, Design and Implementation.
- Hands on experience in Object-Oriented Analysis and Design (**OOAD**) methodology using Unified Modeling Language (**UML**).
- Articulate in written and verbal communication along with strong interpersonal, analytical, and organizational skills.
- Highly motivated team player with the ability to work independently and adapt quickly to new and emerging technologies.
- Experience in developing software using **SDLC** and **Agile/Scrum** methodologies.

TECHNICAL SKILLS:

Programming Languages:	Java, C, C+, C#.
Web Development	Servlets 2.0, HTML5, CSS3, JavaScript, jQuery, JSP, JSTL, Bootstrap.
Frameworks:	Hibernate 4.x, Spring 4.x, Spring Boot 1.x, Bootstrap.
IDE:	Eclipse Neon, STS, IntelliJ.
Design Patterns:	MVC, Singleton, Factory, Proxy.
Application Servers:	Glassfish 3.x, JBoss 7. x.
Web Servers:	Apache Tomcat 9. x.
Automation Sever	Jenkins
Container-orchestration	Kubernetes
Web Services:	RESTful, SOAP.
Deployment Tools:	Maven.
Source Control:	SVN, Git
Testing & Logging Frameworks:	JUnit, Log4j.
Database Management Systems:	MySQL, Oracle 12C, Cassandra Datastax

PROFESSIONAL WORK EXPERIENCE:

WIPRO

July 2019 – Present

Client: FEDEX, Cranberry Township, PA

Project Name: FedEx Supply Chain (ecommerce platform)

Project Role: Software Developer

Description: FedEx Supply Chain ecommerce platform project provides:

- ✓ One platform to aggregate all orders and inventory, analyze and improve the fulfillment network easily
- ✓ Opportunities to improve processes and overcome logistics challenges
- ✓ Easily integrate all marketplaces with our online platform to enable quick and accurate order fulfillment.
- ✓ Exceed customer expectations with custom or branded packaging, kitting and other value-added services.
- ✓ Onboard quickly and instantly scale with operations that can flex staffing during peak and off-peak seasons.

Responsibilities:

- Developing, supporting and testing e-commerce application with **Spring MVC (Portlets, Controllers)**
- Develop, Analyze and Debug the **RestFul** Web services and deploy them on **IBM Websphere Server**
- Participating in **Agile** daily stand up meeting
- Using **GitHub** as Version of control
- Build and deploy using **Maven** in Production and Test Environments
- Develop the frontend application using **ECMA5** running on **NodeJS** server

Technology Stack: Java, J2EE, Liferay 6.2 EE, Spring Rest Services, MVC, Maven, Tomcat, NodeJS, ECMA5 (JavaScript), jQuery

GLOBAL LOGIC

December 2018 – July 2019

Client: Walgreens, Deerfield, IL

Project Name: Pharmacy Renewal

Project Role: Software Developer

Description: Pharmacy renewal project is designing and developing a new pharmacy system from scratch that will be deployed to all Walgreens stores replacing an old system which has a lot of issues and downtime. The new system is being re-written following new technology and system design patterns like microservices architecture, event-driven and domain driven services.

Responsibilities:

- Used **Spring Core** for **Inversion of Control (IOC)** to **inject dependencies (DI)** for loose coupling.
- Wrote **Spring Controllers, DAOs & their Implementations, Service and Model** classes
- Designed an interactive **UI** with **Angular6, HTML5, CSS3, Electron** and **jQuery**.
- Developed **responsive views** with **Material Design**.
- Built **Spring MVC** project by integrating with **Maven build tool, Git version control, Cassandra Database**.
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- Wrote **RESTful** services using **Spring REST** to produce and consume resources in **JSON** format
- Being part of **Agile SCRUM** team and participate in daily stand up meetings
- Designing and developing **RESTful Microservices** using **Spring boot**, that are consumed by other Microservices
- Extensively working on **CORE JAVA** (Collections of Generics and Templates, Interfaces for passing the data from Data Layer to Business Layer).
- Using **bi-weekly sprint** environment following Agile principles and methodologies.
- Hands-on experience in using **CI/CD** pipeline and **Jenkins** for deploying the code.
- Creating team specific Agile process flow in **JIRA** to move tasks from one activity to another.
- Experience in writing test cases using **JUnit** testing framework
- Developing Data Access Object (**DAO**) for Database Access

Technology Stack: Java7-8, Spring Boot, Maven, RESTful Web services, Apache Kafka, Cassandra Datastax, CI/CD, Jenkins, Junit, Jira, Bitbucket.

COGENT, Pittsburgh, PA (Offshore)

Apr 2017 to Nov 2018

Project Name: Patient Management Portal

Project Role: Java Programmer

Description: This was a hospital management project which dealt with Patient management system. The main features implemented and enhanced in this project were appointment scheduling, tests scheduling, billing and reports management for both in-patient and out-patient management schedule. Real time messaging feature was added and developed on this project which aids customers to receive messages for their appointments and other requested services and for the facility to receive acknowledgements to effectuate the services.

Responsibilities:

- Built **Spring MVC** project by integrating with **Maven build tool**, **SVN version control**, **Oracle 11g Database**, **JDBC**, **JMS**, **Restful API** and various **Software Design Patterns**.
- Validated claims data entered by the customers by using **jQuery** and **HTML5** validations to validate the phone number Social Security Number.

- Handled security concerns by implementing **Spring Security** for Authentication and Authorization to control patient, receptionist and administrator access.
- Configured **Object-Relational Mappings** using annotations for mapping the domain objects to database tables and their corresponding properties to the table columns like Patient, Doctor, Receptionist classes.
- Used **Hibernate** for persistence of domain models by write **HQL, HCQL, Native SQL Queries** to map Patient, Doctor, Receptionist classes to Patient, Doctor, and Receptionist tables in Database.
- Wrote **RESTful** services using **Spring REST** to consume resources such as Patient, Doctor, and Schedule in both **XML** and **JSON** format.
- Developed **responsive views** with **JSP, Bootstrap** and styles with **CSS3**.
- Interacting with the clients to understand their requirements and provide smooth implementation and ongoing support.
- Analyzing existing code and formulate solution for adapting to **evolving web environment**.
- Provided functionality to the customers to manipulate personal details like demographic information as well as critical claims data.

Technology Stack: J2EE(JSP, Servlet), Spring 4.x, Hibernate 4.x, Spring Security, RESTful Web services, JSP, JSTL, JavaScript, jQuery, Oracle 11g, Tomcat, HTML5, CSS3, Bootstrap, Maven, Log4J, SVN.

MobilePowered, Tunis, Tunisia
Project: Android Web Application
Role: Android/Java Developer

Dec 2014 to Mar 2017

Android Application Developer
Smart Parking Mobile Application

Description: The scope of the project was to develop a Smart Parking application on an Android based Java Program. The application was a mobile based web application which would detect available parking locations using SmartBeacons, ultrasonic sensors and Infrared microcontrollers. The application would communicate with the microcontroller-based data through wireless mode (WiFi) and synced activity for the back office to monitor.

International Funds Investment, Abidjan, Ivory-Coast
Project: Web application
Role: Web Developer

Financial Infrastructures Comparison web application:

Description: Web application compares the different financial infrastructures, to better give the choice to the users who want to choose a bank, a broker or an insurance.

For example: For a bank, the user can choose regarding:

1. Teller Machine (ATM) usage
2. Low account balances
3. Investment accounts
4. Online banking
5. Bill pay, credit cards and deposits.
6. Bank location branches
7. The fees and interest rates associated with each bank

IPWAV, Abidjan, Ivory-Coast

Project: Web application

Role: Applications Developer:

Furniture sales management web application

Description: The purpose of this project was to manage a furniture store. The administrator manages the update of the furniture stock, the seller manages the finance and the buyer chooses a furniture to buy.

Responsibilities:

- Designed and implemented the application around **Spring 3.x MVC framework**.
- Recommended and implemented a **DAO** layer for the existing portal application.
- Implemented **persistence** of domain objects using **JPA ORM**.
- Customized the UI for better experience and filtered elements to remove outdated features and added elements to include new and enhanced features using **HTML5, CSS3, jQuery, JSP and JSTL library**.
- Implemented file sharing system that accumulated all saved files and configured files with visibilities according to the roles of personnel using **Spring MVC** and **RESTful Web Services** with Jersey implementation.
- Developed detailed designs and implemented logging & reporting functionality around the application using **Apache Log4J**.
- Designed and implemented a notification feature to **notify file transfer status** via automatic email updates. Implemented **Java Mail API** to send email reports.
- Developed **EJB** and **Relational Database** for an application to process incoming transactions and provide a serviced based API for the front end.
- Implemented **Session beans** and **Message driven beans** to user session tracking and pushing critical data objects over the network using **JMS**.

- Implemented **DAO layer** in **EJB** using **JPA persistence and entity framework**.
- Achieved **dependency injection (DI)** using **EJB annotations** for loosely coupled application components.
- Optimized File Transfer process time by migrating to **Java NIO API**.
- Adopted Extreme Programming methodology that tackled goals in short development cycles to increase quality of code and efficiency of workflow.
- Managed **JSON objects** through **jQuery** and **AJAX** to present desired data on user interface.
- Interacted with **Oracle database** by implementing and using **RESTful end points** through **Spring RestTemplate** and optimized queries for efficient performance.
- Achieved data binding and **dependency injection** through the **MVVM** hierarchy of **Spring MVC**.
- Built project and cooperated with team members through **SVN** for version control, **Weblogic Application Server** for **application hosting**, **Log4J** for logging and **Maven** for build configuration.
- Formulated plan and coordinated the project that ensured time frames and minimized potential integration issues from various modules.
- Applied contextual inquiry interviews to understand tasks of users and the work structure of the client.
- Refactored several **HTML5 table layouts** to style-based layouts using **XHTML/CSS3** to separate the content and style across many views of the web application.
- Created visual design that preserved the original color scheme of the client and fit the needs of long-term usage.
- Performed support duties for existing functionality including troubleshooting and resolution of help desk tickets.
- Created suitable interaction design which possessed high usability and low learning curve for end-users.

Technology Stack: J2EE, Spring MVC, RESTful Web services, RestTemplate, Log4J, Weblogic, JavaScript, JQuery, HTML5, CSS3, PL/SQL, Oracle 10g, SVN, Maven.

BFI, Tunis, Tunisia

Jun 2013 to Nov 2014

Project: Electronic Document Management (GED)

Role: Applications Developer-Intern

Description: GED is a workflow-based web application. GED interacts with FileNet System, which stores the documents received from customers as scanned images. GED links with FileNet to create work items from those documents. It provides a workflow so that work items can be sent to the appropriate people to be completed.

Responsibilities:

- Involved in analysis and design phase using **Agile Methodologies**.
- Involved in the integration of **Spring** for implementing **Dependency Injection (DI/IOC)**.
- Used **Spring MVC** based on **XML configuration**.

- Involved in implementation of **Controller classes** and **Service classes**.
- Responsible for customizing data model for new applications and mapping objects to database tables by using **Hibernate ORM**.
- Involved in creating and maintaining **Oracle database**.
- Improved performance both on the client and server side using a variety of industry standard techniques.
- Developed view, action and service layers of the application to dynamically display content based on user requests. Wrote controllers to handle file transfer requests using the **Spring MVC architecture**.
- Utilized Design patterns like **Singleton, Abstract Factory** and **Session Facade**.
- Maintained the business standards and the requirements and deployed them.
- Involved in designing use-cases, sequence diagrams and class diagrams using **UML**.
- Wrote Test Driven code by integrating with Junit testing framework.
- Involved in the enhancement and optimization of existing internal tools and applications.
- Implemented high performance algorithms for fast data processing.
- Wrote logging API for maintaining application critical logs to log errors, debugging and tracking resources.

Technology Stack: J2EE, Java, Spring MVC, Hibernate, Oracle 10g, Apache Tomcat, UML, JUnit.

EDUCATION:

National Diploma in Telecommunication Engineering from ESPRIT University, Tunisia. (WES Equivalency-US Master's Degree) in July 2015.