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| **Pushpa S**  **B.E (ComputerScience&Engineering )**  [pushpa.s@testyantra.in](mailto:pushpa.s@testyantra.in)  **9353466805** |  |

**Summary**

* I Pushpa S, **0.6**, passed out from Visveswaraya  Technological University (**VTU**), Karnataka with 57.82 on July-2018
* Joined TestYantra Software Solutions on **19-July-2019** as a **Software Engineer**
* Before joining to TestYantra Software Solutions, I have undergone **3 months** training on **Core Java,** **J2EE,** Frameworks (**Hibernate, Springs**)**, HTML**, **SQL** with **Oracle** & **MySQL** from **JSpiders**, **Hebbal.**

**Technical Skills**

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| --- | --- |
| **Languages** | Java 1.8, SQL, HTML, XML (Basics), CSS with Bootstrap, JavaScript, Typescript |
| **J2EE Technologies** | Servlet, JSP and JDBC |
| **Frameworks - Front End** | Angular 8 |
| **Frameworks- Back End** | Hibernate with JPA, Spring 5.0 (Core/IOC, MVC, DAO, REST, Boot), Project Lombok |
| **Design Patterns** | Singleton, Model View Controller (MVC), Data Transfer Object (DTO), Data Access Object (DAO) and Factory Pattern |
| **RDBS Applications** | Oracle 10g and MySQL 5.5 |
| **AWS** | EC2, EBS, RDS |
| **Web Servers** | Apache Tomcat 8.5 |
| **Code Quality Tools** | SonarLint |
| **Version Control System** | Git with GitHub |
| **Build Automation Tool** | Maven |
| **Other Tools** | Tortoise Git, Eclipse, STS, Fiddler, SQL Plus, MySQL Workbench, and MS Office (Word, Excel & Power Point) |
| **Software Development Processes (SDLC)** | Waterfall Model and Agile |

**Course Details**

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| --- | --- |
| **Course Name** | Core Java, J2EE and Frameworks |
| **Institute Name** | JSpiders Hebbal, Bangalore |
| **Duration** | March-2018 to June-2018 |
| **Projects Done** | As part of the course curriculum we developed below web applications   1. Login Validation |

**Educational Details**

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| --- | --- | --- | --- |
| College Name | University | Year | Percentage |
| 10th | State Board | 2006 | 67.42 |
| Diploma | DTE | 2013 | 72.45 |
| Degree / Diploma | VTU | 2018 | 57.82 |

**Achievements**

* My Project which was on Java with Big Data scored 90 marks out of 100 in the final semester
* I was part of Cultural Fest organized during 2013

**Project Details**

1. **“Library Management” Web Application Development**

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| --- | --- |
| Technologies used | Core Java, J2EE (JDBC, Servlet and JSP), HTML, CSS, SQL, MySQL, Angular |
| Design Patterns used | MVC, DAO, DTO and Factory |
| RDBMS Application | MySQL |
| Tools Used | Eclipse, Fiddler |
| Duration | Oct 2019 to Dec 2019 |
| Team Size | 4 |

**Summary:**

We have developed this application as part of J2EE Course and it simulates the behavior of any real time web applications by having various/common functionalities.

Below are the functionalities we have developed an in cooperated in **Library Management** web application.

1. Login & Logout functionality using HttpSession
2. Change Password functionality
3. Forgot Password functionality
4. Create Profile functionality by storing data into multiple tables
5. Search functionality (with in the web application)
6. Create Rest Calls to send and fetch the Data in json objects.

We have developed this web application using MVC, DTO, DAO and Factory design patterns. In this application we focused more about **backend code** rather than **front** **end code** and hence we developed UI’s using plain HTML and CSS, Angular with BootStrap.

**Responsibilities:**

As a **Developer,** I was involved in

* Designing the DB where we created below tables to store various users/students information’s
* Users (to store Users basic info)
* BooksInventory (to store guardian info)
* BooksRegistration (to store RegistredBook type info)
* BooksTransaction(to store Booktransaction info)
* Developed a “**LibraryManagementUtil**”, a Java utility class, which get the common web application information like DB URL, DB user name and password, etc., from property file and pass it to other Java programs of web application
* Developing Java Beans to transfer the data between Model & Controller as well as between Controller & View
* Developed DAO classes using JDBC to interact with MySQL data base
* Developed Factory class to get an instance of DAO class
* Designing UI’s part by using HTML & CSS, Angular with BootStrap.