PROSENJIT MANDAL 646-270-1492

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**Full Stack Java Developer**

*~ Delivers innovative IT strategies to drive operations and create impactful solutions ~*

Results-oriented Full Stack Java Developer with 8+ years of progressive experience. Skilled in providing support and leadership while managing the inter-relationship between various departments within highly complex organizational structures. Superior record of optimizing small to large scale, mission critical projects on time while exceeding quality assurance expectations. Recognized as a trusted, logistical, resource with a history of making key decisions regarding projects, teams, and application support functions. Experienced in using Agile methodologies.

# AREAS OF EXPERTISE

**Programming Languages:** Java, JavaScript, SQL, PL/SQL | **Frameworks:** Spring Framework, MVC, Hibernate, Spring Boot, JPA

**Java Technologies:** Spring, Hibernate, Java Beans **| Java Design Patterns:** MVC, DAO, Singleton, Factory

**Web Technologies:** HTML5, CSS3, Bootstrap, Angular | **Database:** MySQL, PostgreSQL

**Operating Systems:** Windows, Unix /Linux |**IDE's:** Eclipse, IntelliJ, Visual Studio Code

**Defect Tracking Tools:** Rally, JIRA, VSTS | **Version Control:** GIT, Bitbucket, Azure DevOps | **Testing:** JUnit, Mockito

**Web Services and Tools:** REST, Postman, Swagger | **Servers:** Apache Tomcat | **Build Scripts:** Maven, Jenkins, Gradle

**Methodologies:** Agile, Scrum, Test Driven Development, Rapid Application Development, Waterfall

# CAREER HIGHLIGHTS

**Full Stack Java Developer**| Macy’s - Atlanta, GA **January 2020 – Present**

***Project:*** Successfully built an application capable of collecting customer product choices, amount of expenses, frequency of shopping at a physical store or the website, and several other variables to create offers and discounts deals tailored for each customer. Customers were notified as soon as they visited a store or logged into the website. This experience was customized and based on individual shopping trends.

***Key Initiatives:***

* Performed in Agile Methodology (Scrum) to meet customer expectations and timelines with quality deliverables.
* Responsible to assign stories to my track and get progress report from the team by using JIRA.
* Worked with a team to support production and developed features/enhancements for Macy’s online store.
* Understood business problems and suggested technology solutions.
* Frontend Contributions:
  + Enhanced the UI screens using HTML, CSS, JavaScript as per the requirements.
  + Built single-page application structure with multiple modules using Angular, TypeScript, and RxJS.
  + Implemented different validation control on the web pages using Angular and developed a cross-platform JavaScript-based solution.
  + Worked on JavaScript tools like Grunt, NPM.
  + Involved in rendering custom HTML tags and implemented client-side Interface using Angular.
  + Used Jest to perform unit testing of custom filters, custom directives and various parts of Angular application.
  + Proficiency in developing dynamic web applications based on REST API’s, Responsive web design, Single page Applications.
  + Used JavaScript and Angular for client-side validations.
  + Played a key role in the research, implementation, and review JavaScript functions to use plugins for representing data in graphs.
* Backend Contributions:
  + Worked on Java 8 features such as lambda expression, streams, functional interfaces.
  + Worked with Design Patterns like Singleton, Business Delegate, Session Facade, DAO, MVC etc.
  + Employed the Spring IOC feature to get Hibernate session factory and resolved other bean dependencies.
  + Utilized Spring framework and Hibernate to persist the data to the database for this application.
  + Developed application using Spring Framework utilizing the MVC architecture.
  + Devised and developed Microservices business components using Spring Boot.
  + Used Spring Boot for implementing IOC, JDBC, ORM, AOP and Spring Security.
  + Refactored existing monolithic application to microservices and developed Restful APIs using Spring Boot.
  + Used Spring Dependency Injection which provided loose coupling between the different layers.
  + Implemented Jackson for processing JSON data to convert JSON to object and vice versa.
  + Implemented maven for compilation, packaging, and deployment in Apache Tomcat.
  + Used Kafka producer and consumer on Kafka cluster setup using Zookeeper.
  + Understanding of Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
  + Exposed to CI/CD pipelines and Jenkins for deployment of code.
  + Exposed to Amazon Web Service (AWS) EC2, S3 and Continuous Integration with Jenkins.

***Tech Stack:*** HTML, CSS, Bootstrap, JavaScript, Typescript, Angular 8, Java, JPA-Hibernate, Spring Data JPA, Spring Boot, Spring Security, Spring AOP, Spring Core, Maven, Jasmine, Karma, Junit, Mockito, RDBMS Oracle, REST API/Web Services, Micro Services, Kafka, GitHub, Jenkins, Dockers, Docker Hub, AWS, SonarQube, Jira, Eclipse, IntelliJ.

**Senior Full Stack Developer**| Lowe’s - Mooresville, NC **August 2016 – December 2019**

***Project:*** This project concentrates on processing of Online Order Placement, Order status monitoring till the order is fulfilled, tax calculation per billing address, shipping & packing charge calculation per shipping address, export compliance of order per address and details provided, abuse control etc.

***Key Initiatives:***

* + Performed in Agile Methodology (Scrum) to meet customer expectations and timelines with quality deliverables.
  + Responsible to assign stories to my track and get progress report from the team by using JIRA.
  + Worked with a team to support production and developed features/enhancements for Lowe’s online store.
  + Frontend Contributions:
* Worked on UI Development, in order to develop the checkout pages for Lowe’s platform.
* Instrumental in the development and maintenance of the website using HTML, CSS, Bootstrap, JavaScript, Angular.
* Defined new validations through Angular for the form field validation implemented through HTML.
* Implementation of Angular 4 services to connect application to back-end APIs.
* Used services and components in Angular to consume Restful APIs.
* Created components for routing and forms using Angular-cli and Angular.
* Used Jasmine and Karma for unit testing angular applications.
* Backend Contributions:
* Worked on Java 8 features such as lambda expression, streams, functional interfaces.
* Worked with Design Patterns like Singleton, Business Delegate, Session Facade, DAO, MVC etc.
* Employed the Spring IOC feature to get Hibernate session factory and resolved other bean dependencies.
* Utilized Spring framework and Hibernate to persist the data to the database for this application.
* Developed application using Spring Framework utilizing the MVC architecture.
* Devised and developed Microservices business components using Spring Boot.
* Developed RESTful Microservices using Spring Boot, that are consumed by other microservices.
* Implemented REST APIs using Hystrix to provide fallback mechanisms and for efficient fault tolerance.
* Unit Testing using Junit and Mockito for Spring Boot Restful API services.

***Tech Stack:*** HTML, CSS, Bootstrap, JavaScript, Typescript, Angular 2, Java, JPA-Hibernate, Spring Data JPA, Spring Boot, Spring Security, Spring AOP, Spring Core, Maven, Jasmine, Karma, Junit, Mockito, RDBMS Oracle, REST API/Web Services, Micro Services, GitHub, Jenkins, SonarQube, Jira, Eclipse, IntelliJ.

**Java Developer |** Glen Oaks Hospital, Greenville, TX **July 2015 – May 2016**

***Project:*** Created service that helped health care workers to search for, retrieve and add various types of information from and into a database. The service also provided patient information, medical history, and prescription history of past and current patients.

***Key Initiatives:***

* Developed web application using Core Java Concepts such as threading and collection.
* Developed JSP, view and controller related files using Spring Framework.
* Used Hibernate for mapping files and generation of database schema with MySQL database.
* Implemented Dependency Injection and IOC paradigm using the Spring Framework.
* Developed the application using Spring MVC.
* Utilized Hibernate for data persistence and designed hibernate queries
* Established one to one, one to many/many to one and many to many relationships between entities in hibernate.
* Used Git for version control.
* Used Jenkins tag to track if Sonar critical issues has been resolved.
* Unit Tested the application using Junit and used JavaScript for validation.
* Applied MySQL stored procedures and triggers for handling database processing.
* Used Jenkins for integration, building, testing and deployed the application on testing and production servers.

***Tech Stack:*** Java, JPA-Hibernate, Spring Data JPA, Spring Boot, Spring Security, Spring AOP, Spring Core, Maven, Junit, Mockito, RDBMS Oracle, REST API/Web Services, Micro Services, GitHub, Jenkins, SonarQube, Jira, Eclipse, IntelliJ.

**Java Developer |** Catholic Health, Denver, CO **September 2013 – June 2015**

***Project:*** Involved in various phases of Software Development Life Cycle (SDLC). Contributed to system design by developing Sequence Diagrams and Class diagrams using Rational Rose Tool. Designed the application using Object Oriented Concepts. Developed web pages using HTML, JSP, CSS, spring tags.

***Key Initiatives:***

* Designed application using Agile methodology in TDD environment and SDET approach.
* Developed web application using Core Java Concepts such as threading and collection.
* Developed JSP, view and controller related files using Spring Framework.
* Used Hibernate for mapping files and generation of database schema with MySQL database.
* Established one to one, one to many/many to one and many to many relationships between entities in hibernate.
* Used Git for version control.
* Used Jenkins tag to track if Sonar critical issues has been resolved.
* Unit Tested the application using Junit and used JavaScript for validation.
* Applied MySQL stored procedures and triggers for handling database processing.
* Used Jenkins for integration, building, testing and deployed the application on testing and production servers.

***Tech Stack:*** Java, JPA-Hibernate, JSP, Spring MVC, Spring Core, Maven, RDBMS Oracle, GitHub, Tomcat, Linux, Eclipse.

# EDUCATION

Bachelor of Science, Computer Science, Lehman College (Present)

Associate of Science, Computer Science, LaGuardia Community College (2021)

Training on Software Development, IBCS PRIMAX, Bangladesh (2013)

Bachelor of Science, Electrical & Electronic Engineering, Independent University of Bangladesh (2013)

# KEY SKILLS

Software & System Development | System Programming and Maintenance | Team Leadership | Agile Methodology

Managerial & System Support | Process Optimization | Coding | Customer Needs Translation | User Interaction

Functionality Extension Debugging | Compliance | Technology Implementation | Application Pattern Designing