RohitAmgaonkar

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# profile

Developer well-versed in structuring, developing and implementing interactive websites and applications. An ambitious problem solver with a passion for learning new things, and who would like to join a team of like-minded developers and has much experience of creating logical and innovative solutions to complex problems.

# Education

Lamar University Beaumont, TX

Master of Computer Science Graduated in 2015

(USA) GPA 3.64

PCEA Nagpur University Nagpur, India

Bachelor inEngineering Graduated in 2008

# Technical Skills

**Programming Languages:** Java, JavaScript, C, C++, SQL, and PLSQL.

**Tools & Technologies:** J2EE, RESTful Web Services, Maven, XML, Spring Boot, Spring Restful, Java API,JSON,Spring MVC 4.0, JSP, SOAP, Servlet, Spring Core, Spring IOC, Spring Data JPA, Spring AOP, Spring Security, Spring Transaction, Spring JDBC, Spring MVC, Spring Hibernate ORM.

**Operating Systems:** Windows XP/Vista/7/8.1/10 and Unix/Linux variants.

**Databases:** Oracle Database 11g, MySQL 5.5., SQL SERVER.

**Web Development:** HTML5, JavaScript, CSS3, jQuery, Bootstrap, AngularJS, NodeJS, JSTL.

**Others:** Socket Programming, SDLC, OOPS, UML, Agile Scrum,Git,SVN,Notepad++,Jenkins,Apache Tomcat,Weblogic,Oracle SQL Plus,XML**,** Toad, SQL Developer,OAuth,JAX-RS API,HTTPS,Postman.

**IDE:** Eclipse, Spring Tool Suite, Netbeans, IntelliJ IDEA.

# Work Experience

**Freelance Programmer Nagpur, India**

## Web Developer 07/2018-Present

Hired to improve and maintain the existing website as well as increasing traffic to the site:

* Maintained the current website and added more appealing features
* Redesigned sections of the website to ensure a more attractive and user friendly experience
* Created custom HTML emails for clients/in-house newsletters and invitations for distribution to our databases
* Designed custom graphics
* Updated website content on a daily basis
* Demonstrated the ability to work diligently under pressure to meet deadlines

[**McDermott International, Inc.**](https://www.mcdermott.com/) **The Woodlands, TX, USA**

**Senior Software Engineer** **01/2015 –06/2018**

**Project Description:**

**McDermott Scenario Planning and Forecasting Tool (SPFT):**

* SPFT is a web-based interface providing access to Java basedAnyLogic discrete event simulation model. The SPFT interface facilitates the setup, execution and analysis of the simulation model from a single landing page.

**Responsibilities:**

* Development of **Java programming** Language based interface, the source code for **McDermott** – Scenario planning and Forecasting Tool (SPFT). **Develop GUI**to simplify the complexities of the SPFT application for application users.
* Apply advanced analytics and quantitative concepts to support SPFT software application. Conduct data analysis, spotting data trends, performing gap analysis, generating reports, and recommending improvements to current business metric collection process. Produce and deliver tracking and reporting for Key Performance Indicators (KPIs) and Service Level Agreements (SLAs).Design key dashboards and scorecards for Senior Leadership and Business Unit.
* Table Reporter utility to write serialized output to various file formats.
* Developed SPFT applications with standard application design principles on server Spring Boot -Apache **Tomcat.**
* Reviewed **High-level Design HLD**, Functional requirements and discussed the new functionality in team meetings.
* Extensively used Core Java technologies such as Exceptions,Multi-Threadingand Collections. Used **JSON** files to run the application parameters.
* Used Log4j to implement logging facilities. Developed many custom-made exception classes as and when required.
* Experienced in writing PL/SQL, Stored procedures, Triggers in Oracle.
* Developed web services, using RESTful API Web service.
* Performed Code reviews and code fixes.
* Developed screen flows and new window layouts.
* Developed client slide components utilizing Java Swing framework.
* Maintained development methodology coding and design standards.
* Using AngularJS for providing the configuration user interface for the SPFT API.
* Designed and developed web-based SPFT software using Spring **MVC Framework.**
* Wrote SQL queries for SPFT run for further analytics reports and analysis for forecasting and planning to optimize resource utilization.
* Used **JUnit** for testing the application.

**Technical Environment: JDK 1.6, Spring Restful , Spring Hibernate, Web services, J2EE, Spring, Spring Boot, Swing, MDB, XML, Maven, JMS, JNDI, RestAPI, JUnit, Log4J, Eclipse Oxygen, Oracle 11g, JSON, JSTL, HTML,Git.**

[**Lamar University**](https://www.lamar.edu/) **Beaumont, TX, USA**

**Graduate Assistant 02/2014 –12/2014**

* Graduate Assistant in Advanced Structured Programming and Algorithms (using Java).
* Help students with questions they may have regarding homework and programming concept.
* Responsible for maintaining and updating grade spreadsheets via Lamar University Blackboard System.

**Technical Environment: JDK 1.6, J2EE, Eclipse, Mac OS X**.

**Freelance Programmer Nagpur, India**

## Web Developer 09/2012-01/2014

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[TECH MAHINDRA](HTTP://WWW.TECHMAHINDRA.COM/) ([TECHM (NSE)](https://www.nseindia.com/live_market/dynaContent/live_watch/get_quote/GetQuote.jsp?symbol=TECHM)) Pune, India

Technical Associate (Application Developer) June 2008 – Aug 2012

**Project Description:**

The **UII** is the critical system which stores the Network & Service Inventory Data & is the Interface/bridge between the L2C & T2R processes. The L2C Systems involves PACS, LIMS & Switch manager whereas T2R systems involves SMARTS, IRAMS, NEO, NETCOOL, GTC, SIMPLE, NH21, KBD, BIP & many others. The Project involves Requirements Gathering, System Analysis & Design, Development, Testing, and Application Support & Maintenance.

**Responsibilities:**

* Working on Application Development/Customization using TDD approach, Java technologies – Spring Hibernate.
* Developing applications/modeling services as per the Requirements & standards set by QMG within Time Line & Budget
* Doing self & peer Code Review as per the Coding standards & Requirements
* Working on development of various Business scenarios
* Co-ordinate with Design, Testing, Configuration & application support team for
* successful implementation of Business Scenarios
* Writing JUnits, Easymock&Powermock Test cases as part of development process
* Doing Regression testing using JMeter test suites for acceptance testing.
* Resolving Defects raised during System Testing, Integration & Regression Testing
* Providing development support during Live Deployment to Application Support

team& ensure smooth operation post go Live

* Providing 3rd Line production Support & resolving live defects raised by the Application Support Team
* Upgrading the Java code to JDK1.6 from 1.4

**Environment:Java,Unix,Win9x,XP,Oracle10g/9i,Eclipse,Toad,SQLDeveloper,J2EE,XML,Spring,Hibernate,WebLogicServer10.3,JMeter,JUnit,Ant,SVN.**

**Achievements:**

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* Received “**Cookie**” award for valuable contribution to project “UII”
* Lamar University appreciation award for Graduate Assistant.

# Academic Projects

**1) Location Identification System**

Project Leader (Master’s Project) 12/2013–05/2015

Location Identification System: Mobile application that helps users finds their locations on Lamar University campus map using the picture as a guideline.

1. MATLAB

For simulating the algorithm.

2. JAVA/SQL

For creating the mobile app.

GitHub:

<https://github.com/rockya2014/Location-Identification-System>

[**Courses Taken (MS Computer Science):**](https://www.lamar.edu/catalog/degrees-and-programs/degree-course-requirements/as/ms-computer-science.html)

* Analysis of Algorithms
* Foundations of Computer Science
* Computing Networks
* Software Engineering
* ERP Overview
* Database Design
* Advanced Operating Systems
* Advance Multimedia Processing,etc.,