Akhil Marpadga

7517 Catalpa Road, Mississauga, Ontario, L4T 2T2
647-896-7894, akhilmarpadga1@gmail.com

SKILLS

Programming: C, Python, Java, Assembly (Machine Coding), HTML, CSS, Ruby, PHP
Software: Visio, MATLAB, MongoDB, Git, AutoCAD, Maple, Inventor, CREO, Microsoft Office, HP ALM, Defect Tracker, Test Director
Operating Systems: Windows, Linux and Unix
Bug Tracking Tools: HP ALM, JIRA

EDUCATION

Bachelor of Engineering, Computer Systems Engineering ***September 2014 - Present***
Carleton University, Ottawa, Ontario

WORK EXPERIENCE

Software Quality Assurance Analyst ***September 2016 – December 2016***

i-Sight Software by Customer Expressions

Project: Investigative Case Management Solution Platform
Description: i-Sight Software delivers integrated and completely customizable case management solutions to companies around the world. The investigation management platform is a secure and mobile-optimized software supporting both iOS and Android platforms that enables companies to create cases, manage investigations, and analyze data that provide information on trends and areas of risks.

Responsibilities:

- Performed Web and Mobile Application testing on multiple projects simultaneously
- Create, execute, debug, and maintain automation and manual test scripts
- Developed Test Cases, Test Plans and Test Strategies to ensure that test cases reflect client needs for the functional, User Interface, Performance, Usability and Security requirements
- Performed functional, regression, and unit testing
- Worked in Wireframe (Staging), and UAT environments
- Collaborated with developers, QA Leads, and Business Analysts in application design and document reviews
- Defect debugging – Used Chrome Dev Tools to debug errors in the application
- Used Agile/Scrum products and project management tools such as Jira and Confluence to collaborate with the team
- Identified defects and reported to the developers with detailed steps to reproduce and screenshots.

IT Systems/QA Analyst ***May 2016 – August 2016***

Ministry of Transportation – Ontario Public Services

Description: Driver Examination Services Business Intelligence (DES BI) solution deployment on Road User Safety (RUS) web based application system. DES BI provides insight into multiple aspects of Driver Examination Services and will allow monitoring of the service provider's business operations and performance against set business requirements and Key Performance Indicators (KPI). The DES BI solution will enable the extraction of operational data from data sources into a data warehousing repository. RUS business users will leverage the Data Warehouse / Data Marts built for this purpose, using reports, dashboards, and queries in an Oracle based application - Business Activity Modelling (BAM).

Responsibilities:

- Assisted in planning, analysis, design, development and delivery of DES BI solution
- Provided support on system integration analysis and user acceptance testing (UAT)
- Designed, developed, and executed test plans, test cases and automation scripts
- Analyzed, evaluated, and interpreted technical data from dashboards and queries, and prepared technical reports
- Defect management – tracked defects in the application through thorough investigations and provide alternative options and business solutions
- Used excellent analytical and problem solving skills to identify the detects and provide preventive measures and alternatives
- Prepared a variety of documents - reports, document findings, and record data
- Expertise in business process and data analysis / modeling, and process data models
- Prepared various data models by extracting and summarizing Production Defects from HP ALM
- Expertise in project management and systems design, testing/development methodologies and techniques

ENGINEERING PROJECTS

ChoreSplit ***April 2017 - Present***

- ChoreSplit is an android app that is being designed to help students share/split chores in a house
- Implementing and designing the app under Android Studio Platform
- Using IntellJ IDEA (Java IDE)

Smart Parking **January 2017 – April 2017**

- Smart Parking system enables drivers to find a parking spot quickly and efficiently
- The mobile app and web app interfaces shows current available parking spots getting the information from the sensors that were built on a board
- Implemented using Android Studio Platform (Java IDE) for the mobile app, MongoDB for database, and Ruby on Rails for the web application.
- Hardware: Raspberry Pi, Arduino Nano, Light and IR proximity sensors

Websume **April 2017**

- Personal website that displays my projects, experience, and education.
- Implemented using HTML, CSS and JavaScript

File Sharing Program ***September 2015 – December 2015***

Carleton University

- Developed a simulation that acts as a document sharing site with graphical interface
- Prepared various unit test cases and performed unit testing
- Used core concepts of java such as inheritance, abstraction and sophisticated behaviours
- Used BlueJ environment for building the classes

Multipurpose Tool ***October 2014 - November 2014***

Carleton University

- Proposed and designed a multipurpose tool, which can be used as a screwdriver and a hammer on either sides.
- Responsible for design using CREO, engineering drawings using AutoCAD and reporting technical details in reports.