Rayster Fernandes

Senior Software developer C++

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**Website :** https://github.com/Rayster271196

**Summary:**

With 2 years of experience in SIL testing , Software unit testing , AUTOSAR related know how and algorithm implementation activities and 4 months of experience in Adobe plugin development for Adobe InDesign, Adobe Illustrator and QuarkXpress and a keen interest to learn new things along with an educational and practical experience in the Computer Science I am seeking for a challenging position in the software field where I could apply my knowledge and achieve personal as well as organizational goals.

**Skills:**

* Strong object oriented expertise, design patterns using C++.
* Adobe Indesign, Illustrator Plugin development.
* Responsible for implementation of features from concept to release.
* Algorithm implementation and Simulink models.
* Basics of web development.
* Worked in Agile / Scrum Environment.
* Knowledge on cocoa and objective C used for UI in mac.
* Knowledge on Angular JS framework.
* Clean code which follows coding conventions.

**Work History:**

* Senior Software Developer C++ (*Current – Oct 20 to present*)

*Inbetween Software Development Pvt Ltd*

* Currently responsible for plugin development and feature implementation using C++ for Adobe InDesign plugins CC, CC2014, CC2015, CC2017, CC2018, CC0219, CC2020 and CC2021 for windows and mac OS.
* Working in Agile environment following scrum methodologies.
* Working with BOOST, RAPIDJSON and XML libraries for production and service oriented code.
* Responsible for fixing existing bugs, implementing improvements from concept to implementation for our InDesign plugin code.
* Working with tortoise SVN for code commit, updates and overall code maintenance and improvement.
* Working with JIRA to maintain time logs and efficient time management.
* Responsible to communicate with customers to understand issues and fix the issues for InDesign, QuarkXpress and Illsutrator.
* Responsible for fixing existing bugs, implementing improvements from concept to implementation for QuarkXpress CC2016, CC2017, CC2018, CC2019, CC2020 for windows and macOS.
* Responsible for front-end development and back-end development using Angular and C++ respectively for Adobe Illustrator CC2020 and CC2021 for windows and macOS.
* Responsible for improving performance of existing code bases in InDesign, QuarkXpress and Illustrator for all versions mentioned above.
* Responsible to communicate with java side server team to pinpoint bugs and issues in code.
* Working with various versions of Microsoft Visual Studio for debugging C++ code base , and Visual studio code for debugging our Angular code base.
* Software Engineer (*July 2018 – Aug 2020*)

*Visteon Technical services Pvt Ltd*

* Designed and coded XCP handler for connecting calibration systems to electronic control units using C++.
* Responsible for requirement gathering for scenario design, creation and testing of ADAS features like ACC(Adaptive cruise control), LCC(Lane keep assist).
* Responsible for designing and creating of DBCs using AUTOSAR description tool used for ECU communication.
* Responsible for coding, debugging and testing of Security Access Seed/key Algorithm with different levels of security using C++.
* Responsible for analyzing user requirements and communicating with other programmers on the project.
* Responsible for understanding existing code and creating technical documentation for the same.
* Worked in Agile software development lifecycle and sprint methodologies with a constructive feedback loop.
* Worked on development and testing for ADAS features in Matlab/Simulink 6 and also understanding technical documentation for AUTOSAR which is standard in the automotive industry.

**Education:**

1. Bachelor of Engineering in Computer Engineering (June 2014 – June 2018)

*Agnel Institute of technology and Design – Assagao*

* Passed with first class in distinction.
* Coordinated and organised technical (Tech-Urja) and cultural (FACT) event for our college
* Blood cancer detection using two data mining algos (k-nth neighbour and random forest) for accuracy comparison and image processing techniques for pre-processing of raw data.
* E-commerce website to buy phones of your choice using HTML, CSS and JS.

1. Higher Secondary Education in Science stream (June 2012 – June 2014)

*St.Xaviers Higher Secondary School Mapusa.*

* Learnt basics of Computer science and OS concepts.

**Accomplishments:**

* Developed and designed and hosted an online resume using HTML, CSS and JS and hosted on github pages.
* Implemented seed and key security algorithm for GAC project.
* Appointed sports in charge and organised various sports activities.
* 2nd rank holder intra-college for 4th year of B.E in Computer Engineering (2017-2018).
* 3rd rank holder intra-college for 3rd year of B.E in Computer Engineering (2016-2017).

**Technical References:**

* Name : **Umang Salgia**

Organization : **Xoriant**

Designation : **SVP Technology Solutions**

Phone Number : **+91 9860053225**

* Name : **Vikram Narayan**

Organization : **Visteon(US)**

Designation : **Head od AI/perception ADAS**

Phone Number : **+1 (734) 288 1099**

* Name : **Sujata Nehere**

Organization : **Visteon**

Designation : **HR Visteon Pune**

Phone Number : **+91 9763923004**

**Interests:**

* Finance
* Stock market
* Fitness freak
* Football

**Languages:**

* English – Fluent.
* Hindi – Fluent.

**Declaration:**

I hereby declare that the above information is true to the best of my knowledge and belief, if given a chance, I can prove myself.