**Swagata Chakraborty**

Mobile: (+91)9529454824 Email: [swagata.chakraborty928@gmail.com](mailto:swagata.chakraborty928@gmail.com)

**Career Objectives**

Self-motivated and hardworking experienced seeking for an opportunity to work in a challenging environment to prove my skills and utilize my knowledge and intelligence in the growth of the organization.

**Professional and Experience Story**

**Software Engineer at Trio Motion Technology Limited June 2015 - Jan 2017**

Trio Motion Technology is a specialized source of high-performance motion control technology, design and manufacture flexible and economical solutions for motion control applications, enabling control of complex high-speed automation and machine control in most industries throughout the world, comprehensive range motion controllers branded Motion Coordinators allows seamless control of 1 to 128 axes of servo motors, stepper motors, piezo motors or hydraulic systems. Our flexible, modular controller range uses a common user interface and standard programming language; Trio BASIC, design customized solutions for OEMs, manufacture motion control options for globally available drives and license designs and technology to several automation companies.

**Roles and Responsibilities:**

1. Worked on programming languages such as Visual C++, Visual Basic and Trio Programming language (TRIO Basic).
2. Responsible for executing the software test suite on 2 axes to 128 axes controllers with different firmware releases as per customer specifications.
3. Responsible for the ongoing development of the test scripts and the test harness in Visual Basic 2008.
4. Developed further test environments for the verification and validation of the controller firmware and all its interfaces.
5. Developed the Visual Basic project with the Trio ActiveX using timer features provided by the .NET API to time how long it takes to execute some of the commands such as read and write commands from the Variable and Table memory and to measure performance and test the reliability of the ActiveX.
6. Developed the test harness to automate the test report summary for all controller’s firmware.
7. Developed the GUI for the CNC machine with the 8 axes machine.

**Key Skills**

**Language**: C,C++, C#, Embedded C, Core Java, ASP.Net, VB.Net

**Databases**: SQL Server, MS Access

**Tools**: Selenium

**Operating Systems**: Windows, Linux

**Software**: MPLAB, Microsoft Visual Studio10 pro, Visual Studio 12, Microsoft Visual Studio15 pro, Eclipse.

**Software Testing**: Manual & Automation Testing.

**Certifications**

**SEED Infotech**: Diploma in Software Testing (Core Java, Manual Testing, Automation Testing)

**Enosis Learning**: Certification in C#, Asp.NET and SQL

**JIT Infotech**: Certification in VB.NET

**FCI Institute**: Certification in C programming.

**Academic Qualification**

**PG Diploma**: Embedded System and Design from **Pune University** with 48% in 2014.

**B. Tech**: EC from **North Eastern Hill University** with 69% in 2012.

**HSC**: Science from **BRPL Vidyalaya** with 59.2% in 2007

**SSC** : Science from **Sunshine English School** with 78% in 2005

**Academic Projects Undertaken**

**1. Face Detection and Recognition** Duration:6 Months

**Technology: MATLAB based**

Description: The aim of this project is to detect and recognize face of an authorized person.

**2. Microcontroller Based SMPS** Duration:6 Months

**Technology: Microcontroller Based**

Description: This project tests the utility of **PWM waves** for the switching purpose, by adjusting the duty cycle of the PWM waves as per the feedback through ADC Output. We are generating 5V constant output with load & line regulation. The output voltage is displayed on the LCD.

**Personal Details**

**Date of Birth**:28th May 1988

**Languages**: English, Hindi, Bengali, Assamese.

**Passport**: N5558560

**DECLARATION:**

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Date: Sincerely,

Place: Pune (Swagata Chakraborty)