Gagandeep

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Objective

To work successfully in a creative and competitive organization, where my knowledge and ability can be used to yield the optimum benefits to the organization and in turn enhance my knowledge and skills.

Area of Specialization: Software Development

Summary

- Currently working as **Software Engineer** at **WESEE**.
- Bachelor of Engineering from Sant Longowal Institute of Engineering & Technology (**SLIET**) University, Punjab.
- Sound experience of complete Software Development Life Cycle (**SDLC**) and Software Testing Life Cycle (**STLC**); methodology involving requirements gathering, build, planning, documentation, execution, reporting, user training, Testing etc.
- Highly dependable Software Engineer successful at troubleshooting and debugging. Supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues.
- Results-oriented Software Engineer comfortable switching between architecture, design and implementation.

Highlights

- C/C++
- Red Hat Linux
- Eclipse
- Data Distribution Service (Prism Tech and RTI), Message Queues
- Standard Template Library

Education

Bachelor of Engineering, Control & Instrumentation **Sant Longowal Institute Of Engg. & Tech., Longowal– Punjab**, India	**2014**
Diploma, Control & Instrumentation **Sant Longowal Institute Of Engg. & Tech., Longowal– Punjab**, India	**2011**
Certificate in Servicing & Maintenance Of Medical Instruments **Sant Longowal Institute Of Engg. & Tech., Longowal– Punjab**, India	**2009**
High School **BMD School- Punjab**, India	**2007**

Experience

- **Software Engineer, WESEE, Ministry Of Defence.**   December 2015 – Present
  WESEE is a government organization that works on the project for the Naval Defence of India.

Projects

- **Project 4:**   PAW (CMS 15B)
  Duration: 1 year and ongoing
  Environment/Technologies: C, C++, Linux, Eclipse, Qt, RTI
  Responsibility: Responsible for developing and testing the PAW module of CMS.
    - ➢ Preparation of SyRS (Systems Requirement Specification) which captures the DSR requirements in the form of functions.
    - ➢ Preparation of FID (Functional Interface Description) document.
    - ➢ Responsible for developing the PAW module of CMS. Using Eclipse (Helios/oxygen) and using C++ language using algorithm and data structures
    - ➢ Preparation of ITP (Integration Test Procedure) which includes Test Scenarios and Test Cases based on Functional Specifications.
    - ➢ Test Execution - Functional Testing.
    - ➢ Troubleshooting and analyzing issues and rectifying the same.

- **Project 3:**   PAW (CMS 15)
  Duration: 1 Year
  Environment/Technologies: C, C++, Linux, Message queue
  Responsibility: Responsible for developing and testing of PAW module of CMS.
    - ➢ Preparation of SyRS (Systems Requirement Specification) which captures the DSR requirements.
    - ➢ Preparation of FID (Functional Interface Description) and SAD (Software Architecture Document).
    - ➢ Responsible for developing and testing of PAW module of CMS using C++ language .Project was completed and delivered on time
    - ➢ Preparation of TvPR and TvPL which includes Test Scenarios and Test Cases based on Functional Specifications.
    - ➢ Preparation of ITP (Integration Test Procedure) which includes Test Descriptions through valid and invalid test cases
    - ➢ Test Execution - Functional, Regression Testing.
    - ➢ Deploy at BEL, GZB for the setup Preparation of PSAT (Preliminary System Acceptance Test) which is an Integrated functional test of the system with various hardware nodes.

- **Project 2:**   PAW (CMS 71)
  Duration: 1 Year & 6 months
  Environment/Technologies: C, C++, Linux, OSPL DDS, RTC
  Responsibility: Responsible for developing the current working module PAW of CMS 71 (AirCraft Carrier).
    - ➢ Responsible for developing the current working module PAW of CMS using C++ language & development phase is done by employing Port-Forwarding Methodology (DDS OSPL).
    - ➢ Troubleshooting and analyzing issues during Integration related to PAW module through OSPL Tester and OSPL Tuner (DDS OSPL testing tool) using scripts.

- ➤ Preparation of ITP (Integration Test Procedure) which includes Test Descriptions through valid and invalid test cases.
- ➤ Deployed at Tata Power Sed for the Preparation of PSAT (Preliminary System Acceptance Test) which is a dynamic functional test of the system.

- **Project 1:** Integration of Combat Management Systems (CMS16A -ver 1 & ver 2)
  Duration: 1 Year.
  Environment/Technologies: C, C++, Message Queue
  Responsibility: Responsible for the integration of the complete project on the dependant hardware with other CSCI's involved to test the complete functionality of the project.

  - ➤ Preparation of SyRS (Systems Requirement Specification) which captures the DSR requirements.
  - ➤ Preparation of FID (Functional Interface Description) and SAD (Software Architecture Document).
  - ➤ Responsible for developing and testing of PAW module of CMS using C++ language .Project was completed and delivered on time
  - ➤ Preparation of TvPR and TvPL which includes Test Scenarios and Test Cases based on Functional Specifications.
  - ➤ Preparation of ITP (Integration Test Procedure) which includes Test Descriptions through valid and invalid test cases
  - ➤ Test Execution - Functional, Regression Testing.
  - ➤ Deploy at BEL, GZB for the setup Preparation of PSAT (Preliminary System Acceptance Test) which is an Integrated functional test of the system with various hardware nodes.
  - ➤ Preparation of SUM (Software User manual) which is a training manual for the user.

Co-/Extra Curricular Activities

- Got Scholarship in Sikh Nishkam Seva Society.
- 2nd prize in cricket tournament in Diploma Premier League.
- 1st prize in cricket tournament in Degree Premier League.

Additional Information

Full Name	: Gagandeep
Gender	: Male
Date of Birth	: 15th Feb 1992
Father's Name	: Pawan Kumar
Hobbies / Interests	: Playing Cricket, GYM, Listening Punjabi songs.
Languages known	: English, Hindi, Punjabi