



Janarthanan Srinivasan

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Villupuram, India

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Date of birth: 28/07/1988 **Nationality**: Indian

WORK EXPERIENCE

[01/10/2022 – Current]

Senior Lead Engineer

Collins Aerospace

City: Bangalore, Karnataka, India

Country: India

Working on Universal Input Output System modelling for VMC Platform.
Analyzing and Designing the Analog High, Low Interface Signals, Tachometer, LVDT,
ARINC 429, CAN Input and Output Signals as Simulink models for VMC Platform.

[16/08/2021 – 28/09/2022]

Assistant Consultant

Tata Consultancy Services

City: Bangalore, Karnataka

Country: India

Preparation of Functional System Interface Document (FSID), Sub-System Requirements Document (SSRD), Software Requirements Specification (SRS)
Plant and Control Model Design for Engine Indication Crew Alerting Sub-System(EICAS)
Preparation of System Design Verification & Validation Report (DVR)
Perform System Review (Internal Review Team Member)
Raise problem reports for issues identified during Ground and Inflight Testing.
Preparation of Problem Reports and Closure activities
Guiding team members on various technical activities for closure
Weekly meeting with customer on work progress updates, issue reporting, and closures.

System: Engine Controls and Monitoring System

Skills: System Architecture, System Analysis, System Validation

Tools: MATLAB, Microsoft Office, Hardware Rig, PTC Integrity

[01/01/2020 – 16/08/2021]

Senior Lead Engineer

Collins Aerospace

City: Bangalore, Karnataka

Country: India

Updated Control Systems Requirement Document (HLR), Software Requirements Specification (LLR), Electronic Interface Control Document (EICD) as per Core and Safety of Flight Testing.
Worked on updates of Plant and Control Models.
Attending weekly meetings with customer to report on program status.

System: Environmental Control System

Skills: System Architecture, Design, Validation

Tools: MATLAB, Simulink, Doors, ClearCase, ClearQuest

[01/07/2019 – 31/12/2019]

Lead System Engineer

Collins Aerospace

City: Windsor Locks, Connecticut

Country: United States

Product Owner of Ventilation Control System(VCS), VCS Engine Indication, VCS BITE Sub Systems of Air Management System.

High/Low Level Requirement generation, Interface Control Document preparation

MATLAB, Simulink plant and control model generation

Part of requirement control board (RCB) for approval on high level requirements and models

Taken Voluntary responsibility of PRSOV complex subsystem of Air Management System in model design.

System: Environmental Control System

Skills: System Architecture, Design, Validation

Tools: MATLAB, Simulink, Doors, ClearCase, ClearQuest, Review Checklists

[01/04/2018 – 30/06/2019]

Lead System Engineer

Collins Aerospace

City: Bangalore, Karnataka

Country: India

Preparation of Control Systems Requirement Document (HLR), Software Requirements Specification (LLR), Electronic Interface Control Document (EICD).

Preparation of Requirement Change Number (RCN) document, Discrepancy Report (DR) documents.

Performing Software Specification Review Closure (SSRC) activities.

Plant and Control Model Based Design activity.

Performing Desktop Model Validation (MIL), System Testing (PIL) activities.

Configuration Manager Role to configure the documents into Clear Case and Clear Quest to perform the review and review closures.

Attending weekly meetings with customer to report on program status.

System: Environmental Control System

Skills: System Architecture, Design, Validation and Software Design, Implementation and Verification

Tools: MATLAB, Simulink, Doors, ClearCase, ClearQuest, Review Checklists, Python, Qgen Ada Core

[01/09/2017 – 31/03/2018]

Senior Software Engineer

UTC Aerospace Systems

City: Bangalore, Karnataka

Country: India

Performed Lead role in design, development, review and tracking of Component Model Testing (SIL).

Performed Lead role in review activities such as Requirement review, MATLAB Design Model Review.

Provided leadership to multi-functional teams to integrate systems to accomplish projects easier and faster.

Developed and implemented testing plans.

Attended weekly customer meetings for various activities like reporting, issue creation and query resolution and closures.

System: Cabin Pressure Control System

Skills: Team Lead, Communication, Technical Architect

Tools: DOORS, UML, Sequence Diagram, Simulink Design Verifier, RTTRT, Trace32

[01/01/2017 – 31/08/2017]

Senior Software Engineer

UTC Aerospace Systems

City: Windsor Locks, Connecticut

Country: United States

Product Owner of Power Electronics Cooling Sub System (PECS).

Wrote effective and concise test plans to test software application (HIL).

Detected defects and requirement issues, advised development teams and performed corrective measures.

Configuring the work products in configuration management.

Increased organizational productivity by writing and updating test case manual for team's use

System: Cabin Air Conditioning and Temperature Control System

Skills: Python, HIL Testing, MIL Validation

Tools: DOORS, Word Document, VSS, Clear Quest, Matlab, Simulink

[01/07/2016 – 31/12/2016]

Senior Software Engineer

UTC Aerospace Systems

City: Vergennes, Vermont

Country: United States

Determined planning, implementation and integration of testing activities by collaborating effectively with clients and staff.

Preparation of test cases, procedures for Emergency Power Auxiliary System (EPAS).

Review activities for task closures.

Worked along with Designated Engineering Representative (DER) for FAA certification

Involved in Software verification cases and procedures (SVCP) Document Creation for certification.

System: Aircraft Doors System

Skills: PCAN scripts Development, Manual Testing, Hardware Software Integration Testing

Tools: PCAN Explorer, Code composer Studio, Automated Test Environment, DOORS

[01/03/2016 – 30/06/2016]

Senior Software Engineer

UTC Aerospace Systems

City: Burnsville, Minnesota

Country: United States

Prepared Software verification cases and procedures (SVCP) document for certification

Performed Final Qualification Testing (FQT) for Bombardier Customer

Attended SOI 4 Audit for software release of Bombardier Customer

Acted as POC between verification and Customer team.

System: Gen IV Air Data Smart Probe

Skills: Communication, Documentation

Tools: Test Rig, DOORS, Configuration tools.

[11/03/2013 – 28/02/2016]

Software Engineer

UTC Aerospace Systems

City: Bangalore, Karnataka

Country: India

Performed unit and regression tests on software integration and modules used for the system

Promoted high customer satisfaction by testing each product against design specifications for performance and compliance to development standards.

Perform reviews of the test artifacts to ensure that they are of the desired quality.

Performing Tool qualification for the tools used for V&V.

Maintaining the Hardware Lab for the Team.

System: Aircraft Navigation, Safety Critical System, DAL A

Skills: Embedded C, Software-Software Integration Testing, Hardware Software Integration Testing

Tools: Code Composer Studio, DOORS, Visual DSP++, C, PVCS, Team Track

[01/07/2011 – 10/03/2013]

Software Engineer

Cyient Limited

City: Bangalore, Karnataka

Country: India

Preparation of test cases, test procedures for Panel Manager(PMG) and Remote Control Unit(RCU) sub modules of Load Master Workstation (LMWA) Application

Review activities for task closures

Software verification cases and procedures (SVCP) document for certification.

Worked on creating various Inhouse tools for verification.

Part of tool qualification document (TQD) preparation.

Unit, Integration testing concepts and familiarization of various testing methods for safety critical systems

System: Aircraft Cargo, Aircraft/ Avionics systems

Skills: Embedded C, Unit/Integration Testing, Testing Concepts, Testing Techniques

Tools: DOORS, LDRA

EDUCATION AND TRAINING

[09/09/2009 – 31/05/2011]

Master of Technology

SRM University

Address: R2FV+6Q7, Potheri, SRM Nagar,, Kattankulathur, 603203, Chennai, India

[01/09/2005 – 31/05/2009]

Bachelor of Technology

Pondicherry University

Address: Chinna Kalapet, Kalapet, 605104, Puducherry, India

LANGUAGE SKILLS

Mother tongue(s): Tamil

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

DIGITAL SKILLS

Microsoft Word | System Architecture Diagram | Microsoft Excel | Microsoft Powerpoint | Analytical skills | Team-work oriented | Organizational and planning skills | System Engineering | System Engineering: DOORS | Control Systems | Software Design | Verification & Validation | System Validation | MATLAB, Simulink, | Python

HOBBIES AND INTERESTS

Cricket

I love to play cricket.

MANAGEMENT AND LEADERSHIP SKILLS

Team Leading

I have lead team size of 5 and 10 members for two different projects along with technical leadership.

COMMUNICATION AND INTERPERSONAL SKILLS

Behaviour

I always want to improve the communication and interpersonal skills for effective work environment

RECOMMENDATIONS

System Engineer

Name: Jeff Kamenetz

Candidate name: Janarthanan Srinivasan

Name of Reference:

1. What is your relationship with the candidate? He temporarily reported to me in 2019 while assigned to Hamilton Sundstrand in Windsor Locks, CT 06095, USA.
2. Can you give us a general feedback/description/impression? His work was excellent and it was a pleasure to work with him.
3. Which path do you foresee for candidate moving forward? More Technical or Mgmt./ Leader? He is capable of both roles. He had a good mind for technical work, yet he could direct other members of the team when the regular supervisor was gone on special assignment.
4. Can you describe the candidate's personality? Extremely easy going, not excitable, hardworking, pleasant and enthusiastic.
5. What are the candidate's strengths? His intellect, enthusiasm and pleasant disposition.
6. What could the candidate improve? I think he should be more patient with his career progression.
7. Is the candidate a team player? Yes, definitely.
8. Can you evaluate the candidate's technical skills compared to other people you worked with (below, average, above)? His skills were way above average.
9. Was the candidate absent/ill often? He was never sick or absent during the time he worked for me.
10. Would you employ the candidate to your company if you had your own company? Yes, in a heartbeat; without question.

Thanks,

Jeffrey K. Kamenetz

Senior System Design Engineer

Engine & Environmental Control Systems

COLLINS AEROSPACE

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