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**Sarath Sasikumar**

E-Mail: [sk.sarathsasi@gmail.com](mailto:sk.sarathsasi@gmail.com) | MOBILE: +447570163514(UK)| CITIZENSHIP: German

* Experienced **automotive system and software R&D professional offering** 13 years of success leading in all phases of diverse technology projects; **FSCP® (Functional Safety Engineer- ISO 26262, TÜV SÜD)**, **PMP®, PMI-ACP® and PRINCE2® Practitioner** credentials
* Well experienced in consultation to the definition & deployment of System & SW Engineering for automotive projects in accordance with **ASPICE & ISO 26262** recommendations
* Hold **master’s degree** in **Sensor System Technology** and **Bachelor of Engineering in Electronics and Communication**
* Demonstrated abilities in handling **Embedded System and Software Project Management** with specialization in Initiation, Estimation and Budgeting, RFQ process, Project Planning & Execution, Cost, Schedule, Quality and Risk Management
* Implemented **QMS** in line with various process models
* Well versed in **Embedded Systems**, **Custom software development**, **System study**, **Client relations** and **Business modelling**
* Well experienced in **Project component management**, sprint planning, prioritization and execution, tracking requirements to quality, evaluating validation requirements, test coverage, defect tracking, review software quality process and ensuring compliance to development process
* **Cross-functional team leadership** competencies, **Solid in Project Management** essentials, proficient in **Waterfall, Agile Test-Driven Design, Scrum** and **PMBOK** project management methodologies
* Experience in **Model Based Systems Engineering (MBSE)** using **SysML**
* Strong abilities in **8D-Problem Solving, Root Cause Analysis, Priority Handling, Decision Making, Risk Mitigation and People Management**
* Proficient with **JIRA, AUTOSAR, HP QC, MS Project, Configuration management** and **IBM Rational DOORS & Clear Quest**

EDUCATIONAL QUALIFICATION

03/2007 – 09/2010 **Karlsruhe University of Applied Sciences, Germany**

Course: **Master of Science in Sensor Systems Technology**

04/2000 – 04/2004 **Madurai Kamaraj University, India**

Course: **Bachelor of Engineering in Electronics and Communication**

CORE COMPETENCIES

V- model System-Software Development& Testing• ISO26262 Functional Safety• Project management •Team Leadership •Business Analysis • MS project•Issue & Risk Management • Scrum • Waterfall •JIRA task management• Quality management• ASPICE • Problem management •8D -Problem solving• Programming language (C) •MISRA-C standards• SysML• Matlab SIMULINK• HIL Validation• CAN communication• AUTOSAR• FMEA

CERTIFICATIONS

FSCP®: Functional Safety Engineer- in accordance with ISO 26262, TÜV SÜD

ACP ®: Agile Certified Practitioner, PMI

PMP®: Project Management Professional, PMI

PRINCE2® Practitioner in Project Management, AXELOS

PROFESSIONAL EXPERIENCE

**SSK management Ltd May 2016 – Present**

**Coventry, West Midlands, United Kingdom**

**Software Project Lead**

General Electrichttps://www.ge.com/renewableenergy

May 2019 – Present

* Lead an agile scrum team and drive the software project delivery of HVDC controller
* Organize and facilitate sprint planning, daily scrum and retrospective
* Ensure delivery of site releases according to project delivery schedule
* Monitor overall progress of software maturity and adopt proactive steps for corrective actions
* Responsible to lead and get approval for gateway reviews according to project plan
* Monitor and control SW budget and project financials
* Review, evaluate and forecast resources and man hour expenditure
* Manage project risks, issues and scope changes effectively
* Provide project control status update to the senior management
* Mange communication across all areas of business

**System and Software Lead (Consultation for Functional Safety)**

Jaguar Land rover | https://www.jaguarlandrover.com

May 2016 – March 2019

* Support HARA, definition of Safety Goals, Functional & Technical Safety concepts
* Functional Safety, ASPICE implementation & consultation for Electrical Engineering division (Powertrain) - ASIL B, ASIL C, ASIL D
* POC to demonstrate independence of SW components for Dependent Failure Analysis (DFA)
* Tool Evaluation & Qualification for ongoing project to achieve functional safety compliance to Part-8 recommendations & to empower management to decide on procurement of new tools for the upcoming project
* Safety Analysis- FMEA, FTA, FMEDA
* Evaluation & Qualification of Tools & Qualification of SW components for safety systems
* Train the team on Functional safety implementation
* Lead 8D- problem solving team with focus on D7 (Prevent recurrence) to derive process improvements; Root cause analysis, Corrective & Prevention Actions and verification
* Participate in periodic supplier audit, support to update ASPICE process profile matrix and drive actions to achieve ASPICE maturity level (3) as per plan
* Acted as Functional safety lead to review and sign off quality gateway documents
* ASPICE consultation support to define & deploy System and Software engineering processes

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| **Altran GmbH & Co. KG, Germany**|[www.altran.de](http://www.altran.de/)  **Project Manager**  **Career progression:**  Project Manager – October 2011 to June 2015  Systems Architect - November 2010 to September 2011  **Nature of project (ECU Code application development**)  (Client: BMW AG, Germany)  **Role: Project Manager** | **November 2010–June 2015** |

* Responsible to maintain Project Dashboard parameters i.e. Budget, Content, Schedule & Quality in the projects
* Lead an agile scrum team of eleven engineers, who are responsible for Development, OBD and Validation
* Lead requirements(Level 1- Level 4 in DOORS requirement management) and establish vertical and horizontal traceability to meet ASPICE level (2) maturity
* Managed change control board and control software releases
* Ensure coordination for all aspects of automotive electrical functional safety
* Perform Risk assessment, Risk mitigation based on priorities and hold team meetings on periodic basis

**Nature of project:** Integration of CRM tool with ATM electronic channels

(Client: Wincor Nixdorf AG, Germany)

**Role: Systems Architect**

* Responsible for design and elaboration of overall system study , technical coordination and global alignment
* MBSE process using SysML and identify functional protection coordination requirements
* Analysis and Assessment of customer requirements (RFI, RFQ) with focus on basic system in distributed embedded systems
* Elaboration of measures for system monitoring and architecture optimization
* Partner with both the client and the business team to develop high quality deliverables across all phases of a project (requirements gathering, design, build and system acceptance test)
* Perform traceability analysis between different levels of the system design
* Undertake design reviews
* Support verification and validation planning

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| **Netventure, India |**<http://www.netventure.in/>  Team leader | **April 2004 – August 2008** |

**Career progression:**

Software developer- April 2004 to June 2006

Team leader – July 2006 to August 2008

**Nature of project (GLOAN):** The Project GLOAN application was developed for Kerala state financial enterprise to manage different types of loans. (Client: CDIT, India and KSFE (Kerala state financial enterprise), India)

## Start Date: April-2004 End Date: August-2006 Duration: 28 months

### Responsible for architecting solutions to custom build powerful and personalized loan servicing software solution

### Development of complex SQL queries and stored procedures

INTERNSHIP

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| **Continental AG, Germany**|[www.conti-online.com](http://www.conti-online.com/)  **Internship** | **April 2010 – September 2010 &**  **September 2009 - February 2010** |

**Project 1:** Application of Simulink Design Verifier for Test Vector Generation and Formal Verification in Model based development

**Project 2:** Evaluation and automation of MSC2 ccommunication interface between FPGA and Microcontroller

MASTER THESIS

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| **Hirschmann Automation and Control GmbH, Germany**<http://www.hirschmann.com/> | **February 2009 – August 2009** |

**Project:** Development of an angle sensor for Liebherr crane (Embedded C, CAN communication)

LANGUAGES CONVERSANT

English, German, Hindi

PERSONAL INFORMATION

**Date of Birth:** 30 May 1983

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*\* References available upon request*