Palaniappan Kannan

Director

Highly skilled and certified Safety Instrumentation Expert with extensive experience in Functional Safety Process Procedures, System project execution, and Competency development in the oil & gas industry. Proven track record in leading technical teams, managing large-scale projects up to $150M and contributing to international project management, safety & ICS cybersecurity standards. Developed 4 expertise related and 1 B2C web applications. Driven innovator with ongoing dedication to expanding expertise through a Data Science course.

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Singapore, India

www.gorandr.com

linkedin.com/in/palaniappan-kannan-b411435

github.com

WORK EXPERIENCE

Director(Owner)
RandR Consultant

07/2020 - Present   *Chennai, India*
Software (Web Application) Development Company

Achievements/Tasks

- Spearheaded the startup, developing 4 subscription-based products for SIL determination, PFD calculation, Alarm rationalisation, and ICS security analysis.
- Provided expert consultancy in Functional Safety and Security to Middle East Oil & Gas companies. On an average executing 5-10 projects.
- Contributed D13. Check List chapter for to ISA-TR84.00.09-2023 Cyber Security Related to the Safety Lifecycle.

Lead Functional Safety Consultant
PETROLEUM DEVELOPMENT OF OMAN(PDO)

07/2014 - 07/2021   *Muscat, Oman*

Achievements/Tasks

- Chaired SIF Classification workshops for around 40-50 calendar days per year.
- Developed SIF Classification and Implementation Specification for PDO. Updated the same based on revised IEC 61511 Ed 2.0.
- Certified technical authority level 2 for C&A domain in PDO.
- Implemented complete life cycle management system for the Company.
- Initiated pilot ICS Cyber security analysis for Control system networks.

Contact : Saud Al Fhadi - CFDH, C&A, PDO

SKILLS

Web Application SRS

Data Science

Functional Safety(SIL) Expert

ICS Cyber Security

Project & Program Management

Setting up workflow systems

International Standards Development

Writing Technical Papers

Cross-Cultural Team Leadership

ACHIEVEMENTS

Set up a Control Systems department of Honeywell startup JV in Singapore (06/1999 - 08/2002)
Led the JV startup of Honeywell in Singapore, developing a team of 8 Engineers.

Set up complete Functional Safety Management System for a Oil Major (07/2024 - 07/2021)

Functional Safety and Cyber Security Web Application hosting web site - https://gorandr.com/
 (01/2021 - 01/2023)
Owner and concept cum detailed requirements developer of the web site which hosts Functional Safety, Alarm Rationalisation and ICS Security web application products.

Presented and published around 16 Technical papers in conferences and journals (01/2002 - Present)

Played a pivotal role in various ISA standard committees and CMBOK development for PMI (USA).

Member ISA SP84 and SP99 Standards Committee

Enrolled in Data Science course run by Guvi(IIT-M)
 (09/2023 - 03/2024)
Projects done are available in GitHub link.

WORK EXPERIENCE

Senior I&C Project Engineer
TEBODIN CONSULTANTS AND ENGINEERS

08/2005 - 10/2007   *Abu Dhabi, UAE*

Achievements/Tasks

- Domain expert in Project Management Team(PMC) which executed Sulfur Processing and Handling Expansion Project for ADNOC group of companies.
- Stationed in USA for around 14 months to manage I&C discipline project execution. This included review and approval of documents produced by the contractor in line with the Project Statement of requirements.

PERSONAL PROJECTS

Tamil Lyrics Web Site - orusaranam.com (04/2023 - Present)
- Owner and concept cum detailed requirements developer of the web site which runs lyrics competition in vernacular language.

EDUCATION

MBA
Annamalai University

06/1989 - 06/1992   *Chidambaram, India*

Courses

- Management(Marketing)

Bachelor of Engineering
Annamalai University

06/1979 - 06/1984   *Chidambaram, India*

Courses

- Electronics & Instrumentation

CERTIFICATES

Certified Functional Safety Expert(CFSE) (02/2002 - 02/2005)

SIF Facilitator(Shell) (04/2007 - Present)

US Homeland Security - ICS Cyber Security(301) Training (05/2013 - Present)

ISA - IACS Cybersecurity O&M(IC37) (06/2020 - Present)

ISA - IACS Cybersecurity Design & Implementation(IC34) (06/2020 - Present)

FS Eng(TUV Rheinland) (09/2019 - Present)

LANGUAGES

English
Full Professional Proficiency

Tamil
Full Professional Proficiency

INTERESTS

Data Science

Tamil Literature

MetaPhysics

Stock markets and Investments