

## PERSONAL INFORMATION

## Jaya Varghese



📍 Hohenstaufenstraße 9, Filderstadt 70794, Germany

☎ +49 162 3440849

✉ jaykvarghese@gmail.com

Sex Female | Date of birth 21/05/1980 | Nationality Indian

## PERSONAL STATEMENT

Software Professional with 16.5 years of experience in coordination of multiple suppliers and customers in various phases of software development life cycle such as Requirement's engineering, System engineering, Analysis, Design, Implementation and testing. Currently working as system engineer at Panasonic Automotive Systems Europe GmbH, Germany.

## WORK EXPERIENCE

Jan 2020 - Current

**System Engineer – Combined Charging Unit**

Customer: BMW, Germany

Domain: Diagnostics, Stack: AUTOSAR

- Create system level requirements and explanation sheets for CR for Diagnostics module
- Pre-Analyse the issues and prioritise and negotiate fixing schedules for bugs reported internally and from customer, which could also be production line related involving factory.
- Interact with suppliers who provides different layer of software, such as platform, middle layer and applications
- Coordinate and conduct workshops with suppliers for clarifications of interfaces and schedule dependant modules deliveries. These were done visiting supplier locations based on the modules.
- Also, taken part in handling change requests, which involves in deciding possible solutions and present and finalise with OEM based on complexities and estimated expenses obtained from involved suppliers.
- Participate in workshops with OEM and other component suppliers of OEM to conclude expected interfaces and behaviours. This involves communicating with OEM

Business or sector Automotive, Charging device

Firm Panasonic Automotive Systems Europe GmbH, Germany

Jan 2018 - Dec 2019

**System Engineer – Head unit**

Customer: VW, Skoda, SEAT

Domain: Driver assistance functions, Stack: BAP

- Create system level requirements for Driver assistance functions that has interfacing between Instrument cluster and Head unit (ex: PLA, Audio, Telephone, Klima etc.)
- Interact with suppliers who provides different layer of software, such as platform, middle layer and applications
- Coordinate and conduct workshops with suppliers for clarifications of interfaces and schedule dependant modules deliveries. These were done visiting supplier locations based on the modules.
- Taken part in change requests, which involves in deciding possible solutions and present and finalise with OEM based on complexities and estimated expenses obtained from involved suppliers.
- Participate in workshops with OEM and other component suppliers of OEM to conclude expected interfaces and behaviours. This involves communicating with OEM
- Prioritise and negotiate fixing schedules for bugs reported internally and from customer
- Join test drives with OEM and collect and pre-analyse the issues reported

Business or sector Automotive, Infotainment system

Firm Panasonic Automotive Systems Europe GmbH, Germany

Oct 2014 – Dec 2017

**Team Lead – Instrument cluster**

Customer: VW, Porsche

Domain: Driver assistance functions

- Customer communication for requirement clarifications and issue analysis
- Coordinating bug fix activities
- Onsite Co- Ordinator in Robert Bosch GmbH, Leonberg (2015-Oct to 2016-Apr)
- Preparation of SW requirements from customer requirements for various instrument cluster application modules such as Board computer, Cruise control, Warning information manager etc.
- Responsible for task break down, effort estimation, component diagram preparation, design preparation, team deliverable reviews
- Responsible for team competency development, quality of deliverables
- Responsible for overall life cycle of the deliverables to the customer

**Business or sector** Automotive, Instrument Cluster**Firm** Robert Bosch Engineering and Business Solutions Pvt. Ltd, India

April 2011 - Sep 2014

**Specialist – Instrument cluster**

Customer: Audi, VW

Domain: Driver assistance functions

- Application Software development with Embedded C in kombi function system and graphical system
- Onsite Co- Ordinator in Bosch GmbH, Leonberg (2011-Sep to 2012-Apr)
- Module Tests with RTTRT, Pftest, CPP Test
- Text/Bitmap generation for Graphical Functionalities
- Technical Reviews and Trainings

**Business or sector** Automotive, Instrument Cluster**Firm** Robert Bosch Engineering and Business Solutions Pvt. Ltd, India

May 2007 - Mar 2011

**Senior Software Engineer – Instrument cluster**

Customer: Audi, Bentley

Domain: Driver assistance functions

- HMI view development in Embedded C for different driver assistance functions
- Design update using in EA
- Module Tests with RTTRT, Pftest, CPP Test
- Text/Bitmap generation for Graphical Functionalities
- Customer Software Integration

**Business or sector** Automotive, Instrument Cluster**Firm** Robert Bosch Engineering and Business Solutions Pvt. Ltd, India

Oct 2004 - April 2007

**Research fellow**

Customer: Ministry of Electronics and Information Technology, India

Domain: Research and Development

- Involved in the design and development of Programmable Digital I/O module signal conditioning card
- Involved in the firmware development for the same in Embedded C using Keil compiler and CPLD code in VHDL using Quartus II IDE
- Developed Temperature monitoring System which display various chamber temperature. Firmware development in Embedded C and GUI development was in LabWindows/CVI
- Developed Two channel A/D Converter:
- Involved in the HW and Firmware development of A/D converter of 8-bit resolution. Digitized data is plotted in PC using Labwindows/CVI

**Business or sector:** Research**Firm** CDAC (Centre for Development of Advanced Computing), India

Sep 2002 - Sep 2004

**Guest Lecturer**

- Subjects handled are Digital electronics, Electronics Circuits, Microprocessor based system design

**Firm** College of Applied Science, Vadakkenchery, India

## EDUCATION AND TRAINING

July 1998 – June 2002

**Bachelor of Technology**

Govt. College of Engineering Kannur, Kerala, India

Accredited by All India Council for Technical Education (AICTE ), India

- Electronics and communication engineering

## PERSONAL SKILLS

Mother tongue(s) Malayalam

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	B1	B1	B1	B1	A2

**Communication skills** Good communication skills gained through my experience as system engineer and onsite coordinators at Germany and communicating with multiple nationalities

**Organisational / managerial skills** Good leadership skills acquired during the work as team leader for multiple projects constituting teams with 10-15 people

**Job-related skills** Expert in driver assistance functions and BAP communication

**Digital/Tool Skills**

- BSW Modules: ECUM, OS, NVM, COMM, COM, IOHWAB, DEM, DCM
- MCAL: SPI, CAN, WDG, MCU
- Compiler: Greenhills, IAR, Cygwin, Tornado, Softune, Keil
- EDV: Microsoft Visual Studio, Enterprise Architect, Eclipse, Codewright
- Operating Systems: OSEK, Integrity, Vxworks
- Hardware: Fujitsu ATLAS L, Fujitsu Emerald, Capricorn F, Fujitsu MB91467D
- Software Model: V Modell, Waterfall Model
- HMI toolchain: CGI studio
- Quality Models: CMMI Dev
- Protocols: CAN, BAP, SPI, RS232, UDS
- Standards: AUTOSAR
- Analysis Tools: Vector CANOE Tool, JTAG, BAP Viewer
- Configuration Tools: Clearcase, RTC, Jira, SVN
- RequirementTools: DOORS, ClearQuest
- Test Tools: QAC, RTRT, CPP, Pfst

**Driving licence** AM/B/L

## ADDITIONAL INFORMATION

**Residential Status** Niederlassungserlaubnis