**Deepthi Krishnan**

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**SUMMARY**

Experienced Embedded Engineer with a demonstrated history of working in the automobile industry with graduation in Computer Science and Engineering. Worked from Developer to Assistant Project Manager position with Robert Bosch Engineering India (RBEI), responsible for Software in Loop (SIL) benchmarking, reference architecture for communication protocol drivers and project management. I have been a part of the automotive Industry for the past 9 years and had opportunities to perform a variety of roles in delivering solutions globally, especially in the automobile sector. Prior to RBEI, I served as an Automotive Engineer with Harman International and as a Network Engineer with Cisco.

**SKILLS**

**Languages Skills:** English (Excellent), German (A1)

**Job Skills: Programing** : Embedded C, C++, Python (Self Learnt), Perl

**Software Tools** : GIT, GDB, ALM, Jenkins, Eclipse, Clear case, Deep Check, CTF, Perforce.

**Protocols :** CAN, CAN FD, LIN, Flexray, Automotive, Ethernet, FC, iSCSI.

**Testing** : Unit testing, Component testing, Software in Loop (SiL) testing

**Platforms :** AUTOSAR 4.0, AUTOSAR 4.2, MoCCA.

**WORK EXPERIENCE**

**Sept 2017 – November 2018**

**Individual Contributor**, **Deputation to Robert Bosch GmbH, Abstatt, Germany and RBEI Bangalore, India**

• Worked for Network Virtualization topic in CoC V&V.

• Benchmarking commercial Software in Loop (SiL) solutions for virtual Drivers, Virtual Bus and XiL middleware, deriving a preferred solution for divisions of BOSCH.

• Requirements Gathering and analysis of SiL Use cases of different BOSCH BU’s.

• Developing reference architectures for CAN, Flex Ray and Automotive Ethernet virtual drivers with AUTOSAR specification.

• SILC ROAD Use cases and Network virtualization Chapter responsible.

**Aug 2016 – November 2018**

**Associate Project Manager**

**Robert Bosch Engineering and Business Solutions Private Limited (RBEI), Bangalore, India**

• Leading 14 engineers developing simulation based test framework of AUTOSAR Base software (BSW) consisting of BSWSIM (Basic Soft Ware Simulation), ITF (Integrated Test Framework) and SBTL (Scenario-Based Test Library) modules.

**Mar 2014 – Aug 2016**

**Senior Software Engineer**

**Robert Bosch Engineering and Business Solutions Private Limited (RBEI), Bangalore, India**

• Developed simulation of AUTOSAR MCAL drivers for protocols like CAN, LIN, Flex RAY, Automotive Ethernet.

• Built virtual MACL platform for BSWSIM using AUTOSAR 4.0 and AUTOSAR 4.2.

• Component and unit testing of AUTOSAR base software (BSW) modules and rest bus generation using Perl scripts.

**Feb 2012 – Mar 2014**

**Software Engineer**

**Wipro Technologies, Bangalore, India**

Client: **Harman International** (Infotainment Domain)

• Designed and built ‘Active Scan’ module for, Next Generation Telemetric application designed for S-Class Daimler vehicles.

• Functionality enhancement of jukebox module, an infotainment system designed for Porsche cars.

• End to end testing using MoCCA framework for media, Aha and Bluetooth connectivity.

**Sept 2009 – Jan 2012**

**Network Engineer** (Storage Area Domain)

**Wipro Technologies, Bangalore, India**

Client: **Cisco**

• Handling NPV and NPIV modules for Cisco MDS 9500 Series Multilayer Director Switches.

• Debugging IP Service of SAN protocols FC and FCIP.

• Configuration of IP services like VSAN and IP Conf on the SAN switch.

**EDUCATION**

**May 2004 - May 2008 B.Tech Computer Science & Engineering**

Amrita Vishwa Vidyapeetham University, Bangalore, India

Score: 75.4 (C.G.P.A)

**June 2002 - March 2004 Pre University** (CBSE)

Kendriya Vidyalaya NAL, Bangalore, India Score: 76%

**June 2002 - March 2004 Elementary and secondary education** (CBSE)

Kendriya Vidyalaya NAL, Bangalore, India Score: 86%