

AMARNADH ALUGOLU

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Career Objective:

To be a part of an organization that provides me a quality of work through challenging opportunities, meaningful career growth and professional development.

Professional Summary:

- Having total **6 years** of experience, in that around **5 years** experience in Embedded Automotive domain. Which as software configuration, product development and testing.
- Worked in Agile environment and involved in scrum team.
- Knowledge on ISO 14229-1 and ISO 26262.
- Hands on experience in assemble and soldering components.
- Planning of development activities, review meetings with in the team and with client.
- Knowledge on Classic Autosar.
- Led a team of 5 people.
- Hands on experience in Software Unit test, Software Integration & Qualification test and HIL test.

Professional Experience:

HCL Technologies limited (HCLTech)

Bangalore

Designation: Technical Lead

January 2022 – December 2023

1) Project : EHV Power train control module

Organization : Deputed to Robert Bosch

Duration : January 2023 to December 2023

Technology & Tools : CANoe, ECU Worx, ASCET, Notepad ++, AEEE, TPT, UDE

Responsibilities:

- Responsible for unit testing after software release.
- Test specifications, Test implementation, Test report analysis, Test review protocol, Code coverage (CTC) report and Test verification.

2) Project : BMW Power train module

Client : Magna Electronics

Duration : January 2022 to December 2022

Technology & Tools : Lauterbach, canoe, VTestStudio, Eclipse, Logic analyzer.

Responsibilities:

- Requirement analysis, creation of test cases and software validation.
- Holding responsibility of modules for integration test and qualification testing for Active cooling (AC) component, Wind shield heater (WSH) and front camera module (FCM).

Larsen and Toubro technology services (LTTS)

Bangalore

Designation: Engineer

February 2020 – December 2021

1) Project : BMW Engine control unit

Organization : Deputed to Robert Bosch

Duration : December 2021 to December 2021

Role : HIL IO level 1 Functional Tester

Technology & Tools : Ecu-test tool, ETAS Labcar setup, Jira, web flow, CANoe, UDE, INCA.

Responsibilities:

- HIL Automation testing and manual testing for IO level 1.
- Hands on Functional level tests like Series release delivery (SRD), Security series test (SST), Basic function test (BFT) and IO Ramp up test.
- Responsible for test strategy, test setup, test plan and test spec.

2) Project : GNMM Telematics control unit
Organization : Deputed to Veoneer India
Duration : February 2020 to November 2020
Technology & Tools : Embedded C, PCT, winidea, JIRA, Canoe, Polarion, Trace 32 debugger, CAPL.
Responsibilities:

- Experience in developing tools supporting software development in Autosar environment.
- Write the test cases for integration and qualification testing and executing integration and qualification test cases.
- Handle requirements analysis, planning, documents design, implementation, testing and evolution.

Stratosphere IT services Pvt Ltd. (Payroll)**Nagpur****Designation: Embedded Software Developer (B.A)****March 2019 – January 2020**

1) Project : ADAS Centralized ECU
Organization : Deputed to Tata consultancy services (TCS)
Duration : March 2019 to January 2020
Role : Software Engineer
Technology & Tools : Vector CANoe 11.03, Trace32-TriCore, BST compiler, Eclipse, Beyond compare, Polarion, Plastic SCM and Jira.

Responsibilities:

- Work on Medium and Long Radars interfacing, vehicle Diagnostics communication (DCM) and vehicle CAN communication modules.
- Handle requirements analysis, planning, documents design, implementation, testing and evolution.
- Experience in developing tools supporting software development in Autosar environment.

Faber sindoori MGMT services Pvt Ltd**Hyderabad****Designation: Biomedical Engineer****March 2018 – February 2019**

1) Project : TSMSIDC Project
Organization : Faber sindoori MGMT services pvt ltd
Duration : March 2018 to February 2019
Role : **Biomedical Engineer**

Responsibilities:

- Worked as Firmware engineer in biomedical field for Telangana state Government medical hospitals, used to handle biomedical equipment boards which are in fault condition.
- Trouble shooting Bio medical equipment related PCB boards and maintain workflow of the machines.

Technical Skills:

- **Programming languages** : C, Embedded C
- **Operating systems** : Windows, Basics of Linux
- **Application software** : Microsoft office
- **Protocols** : SPI, I2C, UART, CAN and UDS

- **Tools** : Atmel studio6, AVR loader 1.0, Proteus7, keilC, PCB wizard 3, Notepad++

Educational Qualifications:

Post-Graduation Diploma in Embedded Systems Design Center for Development of Advanced Computing (CDAC)	August 2016 – July 2017 Noida
Bachelors of Technology in Electronics and Communication Engineering (ECE) DVR & Dr. HS MIC College of Technology Jawaharlal Nehru Technology University (JNTU)-Kakinada	July 2013 – May 2016 Vijayawada
Diploma in Electronics and Communication Engineering (ECE), M.R.K Polytechnic College State Board of Technical Education and Training - Andhra Pradesh	June 2009 – July 2012 Veeravasaram
10 th Class - Secondary School Certificate (SSC) Vivekananda model high school Board of Secondary Education, Andhra Pradesh	April 2009 Palakonda

Internship:

- Undergone 6 months Internship program on “Diploma in embedded system designing” in Microlink information Technologies by IIET in the final year of Diploma.

Personal Profile:

- Name : Alugolu Amarnadh
- Date of Birth : 08th June 1994
- Gender : Male
- Nationality : INDIAN
- Languages Known : Telugu(Mother tongue), English and Hindi
- Address : H.no: 11-273, Palakonda(M), Srikakulam(D.T), Andhra Pradesh,
532440, INDIA
- Passport : Yes

Declaration:

I hereby declare that all the above furnished information is true to the best of my knowledge and belief.

Place:

Date:

(Alugolu Amarnadh)