Sivaramakrishna Shriraam Sundaram

Actively seeking for employment opportunities from December 2019.

Education

2014–2016 **Master of Science, Computer Science**, *École Supérieure d'Ingénieurs en Électronique et Électrotechnique*, ,Specialised in Embedded Software and Semi-Conductor Electronics, .

2008–2012 **Bachelor of Technology, Electrical and Electronics Engineering**, *Pondicherry University*, Pondicherry, *GPA − 8.14*.
First Class Honours

Experience

Integration of Basic Software and Application Software Components

2018 **Dyson**,
Software Engineer Research and Development -(Feb 2018-Present).
Integrating BSW and Application, using Vector Tool Chains

Detailed Responsibilities:
○ Vector Preevision to modify Architecture of the VCU Software design.
○ DaVinci Configurator to configure the AUTOSAR parameters of the BSW as per design.
○ Review of Software Process Documents and authoring Software Process documents in line with SPICE.
○ Davinci Developer to modify and configure the Application Software Parameters; Creating/Reviewing dbc files for Tier-1 Suppliers.
○ Basics of ISO26262 for Unit Testing of Software.

Configuration, Testing and development of Autosar Components

2017 **Valeo External Employee at Créteil, Smart technology for smarter cars**,
Research and Developer -(Feb 2017-Feb 2018).
Implementation and configuration of BootLoader and Application for JLR

Detailed Responsibilities:
○ Interpretation of requirements for JLR Application and BootLoader.
○ Configuring AUTOSAR components in ISOLAR (DCM,DEM,Pdu,CAN).
○ Functional, Unit and Integration testing of Diagnostic Services.
○ Implementation of protection mechanism for download of Secondary BootLoader
○ Configuration of DIDs and their implementation and configuration of Nvm and Fee.

ETUDES – CONCEPTION & INGENIERIE, Qt/C++/Python

2016 **AREVA- l'un des leader mondial de l'énergie nucléaire | La Defense**,
Gestion des Exigences d'un Produit de Contrôle Commande -Intern,March 2016–August 2016.
Integrated into the development team QDS (Qualified Display System) product to provide a control interface and display for the realization of applications with a high level of safety to develop a new audit tool controllant in order to facilitate the verification and validation of the application.

Detailed Responsibilities:
○ To define and specify the tool, writing design documentation and implement the solution.
○ Write the tests document and execute well defined tests.
○ Produce the data set describing the specific content in an application, in particular HMI.
○ To verify consistency of the data generated in terms of their range of values.
○ To test accuracy of the values under the user specification.

Automotive Embedded Software Tool Development, Qt/C++

2014–2015 **Continental Automotive,Rambouillet**,

Embedded Software Engineer-Intern,April 2015–August 2015.

Development of Automotive simulation tool, which is cost effective and opens up as a solution to replace CANAlyser in the future.

Detailed Responsibilities:
- Hardware Requirement Analysis for the tool.
- Decision Chart for deciding the tool.
- Development of Software Architecture, Use Cases, Component Diagrams in Rhapsody
- Software Development in Networking , HMI domain using Qt.
- Tool Deployment with user guide.

Project Management & Inventory Control

2013–2014 **Heavy Engineering Industries and Shipbuilding Co.,Kuwait**,

Graduate Engineer,Nov 2013 – July 2014.

Adhering to Material Control Strategies like Supply Chain Management ,Budget Adjustments for Projects,

Detailed responsibilities:
- Invoice Preparation for Clients
- Preparation of Material requests via Material Information System by forecasting the materials required for the project.
- Development of Excel Tools to suffice:
  - Easy Management of Imprest Funds.
- Allocation and Planning of Manpower.

Automotive Embedded Software specializing in CAN Driver Development

2012–2013 **VISTEON Technical and Services Center,Chennai**,

Software Engineer,July 2012– Sept 2013.

Working with micro-controllers RL75D1A, V850.

Detailed Responsibilities:
- Development of Single instance/Multi Instance CAN driver.
- Working with the OSI layers.
- Performing as single point of contact for platform development.
- Using Clear Case Configuration Management & Clear Quest Asset tracking Tool.
- Configuring the serial communication ports for the microcontroller from Renesas, debugging with Lauterbach and working with IDE tools.
- Full exposure to V process model, Working with I2C , LIN communication protocols .
- Unit testing, Integration testing, Functional testing and their test plan development.

Technical skills

Basic	LaTeX, Python, Rhapsody, Matlab, AUTOSAR, ISOLAR, ISO26262 Functional Safety, SPICE, Preevision, Git, VB scripting for automation of manual tasks , Aurix 2G.
Intermediate	Real Time Scheduling, MS Excel, Linux, C,LIN,I2C,Qt, ISO14229-1, Unified Diagnostic Services, Algorithms and Data Structures, Vector Davinci Configurator and Developer.
Advanced	Embedded C, C++, Configuring RL75D1A Micro,CAN, Configuration of Ports and PWM, Configuration of UDS

Languages

Proficient	**English**	
Fluent	**Tamil, Telugu,Hindi**	*With Native Accent*
Intermediate	**French,Malayalam**	
Limited	**Kannada,Arabic**	