KAVASKAR. M
Senior Engineer / Technical Lead

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Versatile professional **4 years** of experience as **MATLAB Image Processing developer** and **3 years** of experience as **System Engineer in Enterprise Architecture tool** and **3 years** of **Product owner for magic draw tool customization** to support **model-based software & system Engineering** and **8 months** of experience in **bridge between MATLAB & MAGICDRAW architecture model import & export** development and as **overall 10+ years** contributed in complete SW development life cycle of digital image processing, SW detailed design and SW architecture analysis in automotive domain.

Professional Experience:

January 2020 - Present	**Senior Engineer / Product Owner** Renault Nissan Technology Business Centre India, Chennai
	Magic draw tool plugin customizations for model-based system, software, and simulation architecture
	Role: Product Owner and Lead Developer
	Responsibilities: Owning tool customization, Leading the MATLAB and development activities, Interaction with different stakeholders and collect the requirements, requirements to feature conversion in JIRA, creating user stories and spikes, test cases creation in JIRA X-Ray, Functional validation and review of plugins, Implementing the Agile approach, and Release management.
	Skillset and Tools: Core JAVA (JAVA 8), Magic Draw 2019 SP3 and Refresh-1 2021x, Enterprise Architect, Eclipse, MATLAB/SIMULINK, JIRA, GIT, UML, SysML.
	Bridge between Magic draw and Different Architecture tool:
	• Enterprise Architecture: Class Diagram, Sequence Diagram & Component Diagram Imported into MAGICDRAW using VB-script
	• UPPAL: Import Plugin created in Magic draw to convert .xml to. mdxml format to use in MAGICDRAW
	• MATLAB – Import & Export from MAGICDRAW
	○ M -Script .xml generate from MATLAB & Using script MATLAB model creation and bus editor file generation
	○ Model Creation and analyse in MAGICDRAW and MATLAB.
March 2017 - December 2019	**Senior Engineer** KPIT, Bangalore
	Enterprise Architecture – Model Design in ADAS
	Role: Lead Designer
	Responsibilities: Understand Requirement and model design in Enterprise architecture. Two weeks once with client improvement process will be described and sharing model to users.
	Skillset and Tools: SysML Modelling Language, ADAS Concept (Features – ACC, LKAS, Front Camera Module)
	Model Design in Enterprise Architecture: Use Case Diagram, Class Diagram, Sequence Diagram, Component Diagram, Block Diagram, and Internal Block Diagram.
April 2016 - February 2017	**Software Engineer** MAPLES Imaging Solution Pvt Ltd, Chennai
	Real Time Character Recognition using OCR in Image Processing
	Role: Project Developer
	Responsibilities: To write Automation Script in MATLAB - Neural Network OCR Data base Image.
	Skillset and Tools: MATLAB, M Script, Image Processing.
August 2012 - April 2016	**Software Engineer** Pantech Pro-Ed Pvt Ltd, Hyderabad and Chennai
	Image Processing Projects
	Role: Project Developer
	Responsibilities: Analyse Image Processing IEEE Concepts and develop projects
	Skillset and Tools: MATLAB, M Script, Image Processing.

Education:

Key Skills

O	O	O	O	O	M Script in MATLAB
O	O	O	O	O	Model Design in MATLAB
O	O	O	O	O	UML/SysML
O	O	O	O	O	Enterprise Architecture - Model Design and VB Script
O	O	O	O	O	Magic Draw - Model Design , Analysis
O	O	O	O	O	Magic Draw - Import & Export Plugin Develop in Core Java
O	O	O	O	O	Machine Learning - SVM , Neural Network
O	O	O	O	O	Image Processing
O	O	O	O	O	GIT