

# PREM KUMAR MANNAVA

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## Career Objectives

- Overall 6.9 years of experience into IT industry in that 4 years into MuleSoft Integration and 2.9 years into RTL coding. Expertise in Mule Integration Products Mule ESB, Any point platform, API design center and Cloud Hub deployment.

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## Organizational Skill

- Hands on experience in the Mule connectors, transformation components, Data weave, flows, sub flows, payload and messages
- Used RAML to define API resources, methods, parameters, and responses
- Hands on experience in JMS Message Queues with Apache Active MQ
- Experience in API\_LED connectivity
- Good in Mule integration application's on-premises environment setup
- Enabled web services feature to legacy Java applications with Restful and SOAP web services
- Worked on java based open-source frameworks Spring and Hibernate
- Deployed Mule applications in Cloud hub, on premise mule standalone server
- Hands on experience in building middleware systems ground up using Message Routing, Content Enrichment, Message Filtering, Message Transformation, Message sequencing, Batch message processing, error handling, synchronous and asynchronous communication mechanisms
- Extensively used development tools Any point studio, Eclipse, JIRA, Postman and SOAP UI.
- Expertise in configuring version control called SVN, IBM ClearCase.
- Good knowledge in Web Service standards REST, JSON, SOAP, HTTP and its implementation providers
- Worked with Sprint Agile project, Scrum methodology to ensure delivery of high-quality work with bi weekly iteration
- Implementation of MuleSoft services, design, build, test and deploy as per the agreed Sprint schedule, supported Sprint planning and retrospective activities
- Experience in Integration with Salesforce. Ability to troubleshoot Mule ESB (debuggers / flow analyzers) and deployment errors
- Proficiency in Java, JDBC, Servlet, JSP
- Strong analytical, problem-solving, debugging skills and good team player

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## Professional Experience

- Current: Working as a consultant at Capgemini in Bangalore, from FEB 2021 to till date
  - Previous: Worked as a Design Engineer at DFELOPT in Bangalore, from May 2016 to Jan 2021
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## Skills

**Operating Systems:** Windows, Linux

**Languages:** Java, C++.

**Frame Work:** Hibernate, Struts 1.3, Spring 2.5(Core Module, DAO Module, ORM Module, AOP module, Web Module) Web services.

**Integration tool:** MULE ESB 3.7 & MULE ESB 4.2.

**Database:** Oracle, MySQL.

**Server:** WebLogic, Apache Tomcat. JBoss.

**IDE:** Eclipse, MyEclipse.

**J2EE Technologies:** JSE, J2EE, JSP, Servlet.

**Design Patterns:** Singleton, MVC-2, DAO, DTO, VO, Template Design Patterns.

**Integration IDE:** Anypoint Studio.

**Defect Tracking tool:**

IBM Clear quest.

**Scheduler:**

Tidal Job scheduler

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## Projects

**TITLE:** Unilever HR Project

**Technologies Used:** JAVA, Mule ESB 3.7 & 4.3, RESTful API.

**Server:** Mule server as Provider, ORACLE server as backend.

**Operating System:** Window 7.

**Client:** Unileve.

**Description:** Capgemini providing MuleSoft as a middle layer for Unilever to transfer secured files, data conversion, updating many sfdc servers at Unilever client location. And created many System APIs which is directly picking data from client system location. And migrated many applications from on-prem to cloud and cloud to cloud and also mule3 to mule4.

### **Roles & Responsibilities:**

- Involved in RAML API design using design center, implementing RAML APIs using Anypoint studio and deploying to Runtime Manager
  - Designed & implemented System APIs, Process APIs according to API-Led connectivity approach
  - Creation of Mule Flows from the RAML file and Managing APIs
  - Data transformation logic using Data Weave 2.0
  - Integrating mule applications with end systems of DB, Salesforce and HTTP request connector
  - Reading and writing data from files using SFTP connector
  - Handling errors using error on continue and error on propagate strategies
  - deploy Integration application over cloud Hub and on premise
  - Involved in all phases of MuleSoft integration system development namely requirement analysis, design, build, test, deploy and support
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**TITLE:** Data Acquisition & Recording System version 1.1(DARS 1.1)

**Technologies Used:** JAVA, Mule ESB 3.7 & 4.3, RESTful API.

**Server:** Mule server as Provider, ORACLE server as backend.

**Operating System:** Window 7.

**Client:** BDL, Visakhapatnam.

**Description:** Data Acquisition & Recording System (DARS) is a subsystem of an L-band RADAR based project done for Baharat Dynamic electronics (BDL)

Digital card in DARS is responsible for capturing IF signals using high speed ADC interface which are down-converted using RF cards. It further down-converts to baseband signal.

The complex baseband signal is sent over high-speed serial link to other units for further processing

Digital cards are FPGA based cards which is developed using Verilog It consists of multiple Xilinx FPGAs

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**CLIENT:** BDL, Visakhapatnam

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**Project role:**

- Designed DFT core for discrete time frequency domain output in Verilog
  - Design, development and testing of Micro-Blaze processor-based subsystem.
  - Testing of various interfaces like DDR3, Ethernet, Flash, I2C, SPI, Aurora.
  - Requirement study and interface analysis for the entire system. Design, coding in Verilog.
  - Verification of entire logic (both FPGAs) with Verilog based TB using ModelSim.
  - STA Analysis for timing closure
  - Testing of individual interface testing and application testing using TCL script.
  - Integration with other RADAR sub-systems at customer site as well as Interacting with customer for managing change request and bug fixes.
  - Technical documentation.
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**TITLE:** Miniature Actuating Amplifier (MAA)

**CLIENT:** NSTL, Visakhapatnam

**Description:** It is having 1553 controller card, PWM card and H-bridge card. Main purpose of the MAA is change the direction of the torpedo based on the inputs given by the OBC (on board computer) module.

**Roles & Responsibilities:**

- Designed Hardware for the project.
  - Designed lite IP core of MIL-STD1553B protocol
  - Testing of various interfaces like Flash, I2C, SPI.
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**TITLE:** DISPLAY CONTROLLER CARD

**CLIENT:** Mantri Square Mall

**Description:** It has PIC Micro controller, RS232, Ethernet, SPI Flash, Display (RGB Communication). Display controller card is used in parking guidance management system. It will display the directions to the parking through LED displays. We can connect 3 LED displays per board. Main communication to board in Ethernet.

**Project role:**

- Designed Hardware for the project
- Technical documentation.

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## Education

- 2019 **B. Tech, ECE, AMII**, Bengaluru  
Total Marks Percentage: 83.11%
- 2016 **Diploma, Electronics Engineering, NETTUR TECHNICAL TRAINING FOUNDATION**, Bengaluru  
Total Marks Percentage: 79.35%
- 2013 **SSLC, SSC, S V A M VIDYALAYAM SRI SARADADHAMAM**, Hyderabad  
GPA: 9.0
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## Strengths

1. Excellent Communication and Presentation Skill.
2. Quick Perception, Approach according to the specification and good programming skills.
3. Good time management skills.
4. Ability to mingle with new people.
5. Adjusting to new environments very quickly.
6. Experienced of working in-group tasks.

## Declaration:

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

Place: Bangalore

MANNAVA PREMKUMAR