



SUMAN KOMARLA ADINRAYANA

Business Analyst | Project Manager

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Technology strategist with domain-rich experience in **embedded systems**, **enterprise delivery**, and a growing portfolio in **AI and machine learning applications**. Targeting senior leadership roles in data-driven organizations where strategic thinking, **program delivery expertise**, and **AI-powered innovation** can be leveraged to accelerate digital transformation and unlock measurable business value.

CORE COMPETENCIES

Program & Project Management

Technical Architecture & Solution Design

Automotive Embedded Systems

End-to-End Project Lifecycle Management

Business Transformation & Technology Roadmaps

Cross-Functional Leadership & Global Team Management

Client Engagement & Stakeholder Management

P&L Ownership & Budget Optimization

Software Integration & Diagnostics Engineering

Regulatory Compliance & Quality Assurance

PROFILE SUMMARY

- Strategic Technology & Delivery Leader** with over 19 years of global experience in delivering high-impact programs across automotive, finance, and healthcare domains for Fortune 500 clients. Proven success managing large-scale initiatives across India, Europe (UK, Poland, Romania), USA, APAC, Japan, Vietnam, China, Korea, Egypt, etc.
- Expert in Program Governance & Business Transformation**, leading multi-million-dollar engagements end-to-end from RFP/RFQ and solution architecture to execution, QA, and post-delivery support while aligning technology roadmaps with business goals and ensuring regulatory compliance.
- Deep Technical & Domain Expertise** in **AUTOSAR**, **ASCET**, **diagnostics**, **ASPICE**, **ISO 26262**, and **in-vehicle infotainment**, delivering future-ready automotive software solutions. Adept in AI/ML applications, data-driven analysis, and cross-domain delivery (automotive, banking, healthcare).
- P&L Ownership & Operational Excellence**, with a strong focus on budgeting, cost optimization, resource planning, and cross-functional delivery models. Trusted partner to global OEMs including **Jaguar Land Rover**, **BMW**, **Daimler**, **Volvo**, **Renault**, and others.
- Global People Leadership & Stakeholder Influence**, managing 50+ cross-cultural engineers and engaging with CXOs, directors, and cross-border clients. Skilled in stakeholder alignment, multi-domain transitions, and leading digital transformation in multi-location, multi-regulatory ecosystems.

CERTIFICATIONS

- Advanced General Management Program, IMT Ghaziabad (UpGrad, 2024)
- German Language B1.1 Certified from AGI (Germany) in 2015

EDUCATION

- Post-graduate certification in Artificial Intelligence and Machine Learning from Great Learning (Great Lakes Institute, Chennai): Pursuing (Expected to be completed 2026)**
- MBA, Liverpool John Moores University, UK (UpGrad India, 2025)**
- B.E. in Electronics & Communication, VTU, 2006**

TECHNICAL SKILLS

- RTOS:** ERCOS, OSEK, AUTOSAR OS, FreeRTOS, Linux Kernel, Automotive Grade Linux
- Languages:** C, Assembly, Perl, Python, R, Scripting
- Microcontrollers & BSW:** Infineon, MPC, AURIX, Qualcomm SA8295P
- Protocols:** CAN, UDS, KWP2000, LIN (Basics), FlexRay (Basics)
- Automotive Standards:** ISO 14229, ISO 26262, ISO 14230, ASPICE, ODX
- Tools:** ASCET, INCA, CAN-Analyzer, UDE, D-Space, TPT, IRIS, MLBA, AI, Machine Learning
- Version Control & Dev Tools:** IBM SCM/ALM, ClearCase, ClearQuest, SDOM

ACHIEVEMENTS

- Spearheaded delivery of multi-million-dollar automotive software programs**, achieving 100% compliance with ASPICE and ISO 26262 standards while reducing project cycle times by up to 20%.
- Drove digital transformation initiatives** across global engagements, leveraging innovative tools and methodologies to enhance efficiency, accelerate time-to-market, and improve client satisfaction scores.
- Successfully delivered projects during 2 years of international experience** in Europe on Work Visa/Resident Permit, driving global collaboration and operational excellence.
- Optimized P&L and governance frameworks**, enabling cost savings of up to 15% in large-scale technology programs without compromising on quality or delivery excellence.
- Built and mentored high-performing cross-cultural teams (50+ engineers)** across geographies, remarkably improving team productivity, technical capability, and retention rates.
- Established long-term client partnerships with premium global OEMs**, delivering scalable and future-ready automotive solutions for brands like Jaguar Land Rover, BMW, Daimler, Renault, Volvo, and VW-Audi.

CAREER TIMELINE



WORK EXPERIENCE

Luxoft India | Jul 2024 – Present

Business Analyst | Jul 2025 - Present

Project Manager – Automotive Embedded Solutions | Jul 2024 – Jul 2025

Client Engagements: **Jaguar Land Rover, NatWest (UK), Romania, Europe, Egypt, India**

- Driving collaboration and delivery as a **Business Analyst**, working with **international clients** across multiple regions.
- Leading the **end-to-end project lifecycle**, managing a **53-member global team** to **deliver** foundational software for **FSI (AURIX Controller Support)** and **CCPLEX microcontroller integration**.
- Overseeing project planning, execution, risk management, and stakeholder alignment using **EPICS, JIRA, and SIMS** to ensure timely delivery.
- Mentoring teams to **build technical depth** and foster a culture of **continuous improvement**.
- Ensuring seamless delivery of **In-Vehicle Platform (IVP)** solutions across **AURIX-TC397X, QUALCOMM SA8295P, Safe RTOS, QNX Hypervisor, Linux, and Android** platforms.
- Managing middleware base support, diagnostics logging, and **platform health monitoring** for **IVI and vehicle platforms**.
- Leading internal projects focused on **in-vehicle infotainment** solutions for multiple customers and platforms within Luxoft India.

Crevavi Engineering Solutions Pvt. Ltd. | Chief Engineer | Mar 2024 – Jul 2024

L&T Technology Services | Project Manager – Automotive Embedded Solutions | Dec 2022 – Jan 2024

Client Engagements: **Bosch, BorgWarner, Daimler, Magna**

- Drove **strategic roadmaps** and backlog management, ensuring **seamless execution** for APAC and Japan-based clients.
- Managed **end-to-end delivery** including RFQs, proposals, cost estimation, requirement gathering, gap analysis, and business process re-engineering.
- Supervised **AUTOSAR Base Software & OS Development, Stack Development for ADAS ECUs, and cabin monitoring system design**.
- Enhanced governance and delivery efficiency while maintaining compliance with the industry standards.

HCL Technologies Ltd. | Technical Architect | Sep 2020 – Dec 2022

Clients: **Veoneer, APTIV, ZF, Magna Steyr**

- Designed and delivered advanced **embedded solutions** for ADAS, diagnostics, and mobility projects.
- Led **ISO14229 diagnostic stack development** and multi-unit migration on AUTOSAR platforms for ADAS ECUs.
- Managed **Chrysler braking ECU software lifecycle** for PHEV, IBC, and SCS systems.
- Developed **automated testing frameworks, log analysis tools, and smoke testing solutions** to strengthen ADAS and autonomous driving features.

WaferSpace | Automotive Software Engineer (Client – Continental) | Apr 2020 – Jun 2020

Robert Bosch Engineering & Business Solutions | Various Roles | Jul 2006 – Mar 2020

- Delivered **14 years of progressive contributions** in embedded automotive software, spanning **integration, diagnostics, ECU development, and requirements management** for global OEMs.
- Led multiple Onsite assignments across **Germany, Austria, China, and Europe**.
- Specialized in **Engine Management Systems, Multicore Efficiency, Electrical Systems, and ODX Requirements Handling** for OEMs like **BMW, Renault, VW, Opel, Honda, and Chrysler**.

PERSONAL DETAILS

Date of Birth: 4th July 1984

Languages Known: English, Hindi, Kannada, Telugu & German (B1.1)

Permanent Address: Shivaganga AR Prakruthi, Block C, FLAT C-301, Arehalli Main Road, Uttarahalli, Subramanyapura P.O., Bangalore – 560061

ANNEXURE

Projects:

Title: Coordination and Management of Integration, Delivery, and Testing Teams for Braking System Control Unit Components and Peripherals Software Product Lifecycle

Client: ZF (Solutions for multiple elite OEMs including Chrysler)

Locations: India (Bangalore, Hyderabad), North America (Livonia)

Company: HCL Technologies

Period: June 2022 – December 2022

LabCars: CANalyser, CANoe, Simbuck, etc.

Development Framework: Autosar, HTML, C, Python

Technologies: Integrity LCM, Pulse VPN, Rhapsody, Trace32, Cobra IDE, Notepad++, Clarity Effort Management, Polyspace, Pulse, MS Office, Skype, MS Teams, Power BI, etc.

Team Size: 25 (ZF-DIWIA-BSW-ECUAL)

Title: Braking System Control Unit Components and Peripherals Software Evaluation, Development, Requirements Gathering, Problem Report Investigation and Solution

Client: ZF (Solutions for multiple OEMs including VW, BMW, OPEL)

Locations: India (Bangalore, Hyderabad), Koblenz, Shanghai

Company: HCL Technologies

Period: March 2022 – October 2022

LabCars: CANalyser, CANoe, NI Test, SAINT, etc.

Development Framework: Autosar, HTML, C, Python

Technologies: Integrity LCM, Pulse VPN, Rhapsody, Trace32, Cobra IDE, Notepad++, Clarity Effort Management, Polyspace, Pulse, MS Office, Skype, MS Teams, etc.

Team Size: 25 (ZF-DIWIA-BSW-ECUAL)

Title: Injection System Handling for Engine Management System ECU

Client: Multiple OEMs

Processors: Infineon, JDP, etc.

LabCars: LCPT (HIL), Open Loop Labcar, TPT

Duration: July 2016 – Ongoing

Title: Multicore and Manycore Efficiency Improvement in Automotive ECUs

Client: Multiple OEMs

Processors: Infineon, JDP, etc.

LabCars: LCPT (HIL), Open Loop Labcar

Location: Germany (~15 months), Bangalore

Title: Electrical Supply System and Electrical Device Handling for Multiple OEMs

Client: Global OEM

Processor: TC179x (Infineon), etc.

LabCars: LCPT

Duration: ~2 years

Location: Bangalore

Title: Frame Multiplexing Handling for CAN Messages to Reduce Bus Load and Resolve Communication-Related Issues

Client: BMW (Europe)

Processor: TC179x (Infineon)

LabCars: LCPT

Duration: 6 months

Location: Bangalore

Title: Creation and Handling of Requirements for ODX [ASAM MCD-2D – Open Diagnostic Data Exchange Format]

Client: BMW (Europe)

Processors: TC1796, TC1797 (Infineon)

LabCars: IRIS, MLBA-1, MLBA-3

Duration: 12 months

Locations: Vienna (~6 months), Bangalore

Title: Complete Handling of Integration Software Packages for One Variant of BMW Automobiles

Client: BMW (Europe)

Processors: TC1796, TC1797 (Infineon)

LabCars: IRIS, MLBA-1, MLBA-3

Duration: 3 months

Title: Configuration of Open Loop (Vehicle Simulators) and Closed Loop LabCar (Vehicle Emulator) for BMW Projects

Client: BMW (Europe)

Processors: TC1796, TC1797 (Infineon)

LabCars: IRIS, MLBA-1, MLBA-3

Duration: 3 months

Title: Development and Integration of BMW-Specific Model Based Charge Control (MCC) and Model Based Boost Control (MBC)

Client: BMW (Europe)

Processors: TC1796, TC1797 (Infineon)

Tools: CANalyser, CANoe, INCA, UDE, etc.

Duration: 6 months

Locations: Austria (3 months), Bangalore (3 months)

Language: Embedded C

Title: Implementation of Bypass Hooks for Rapid Prototyping, Design, Modelling, and Verification of ECU Functionalities

Client: BMW (Europe)

Processors: TC1796, TC1797 (Infineon)

Tools: CANalyser, CANoe, INCA, UDE, etc.

Duration: ~3 months

Language: Embedded C

Title: Implementation of Component Drivers for 3-Stage Turbocharger for Efficient Engine Operation with Enhanced Performance

Client: BMW (Europe/USA)

Processors: TC1796, TC1797 (Infineon)

Tools: CANalyser, INCA, UDE, etc.

Duration: ~6 months

Language: Embedded C

Title: Development of Application Software (ASW) and Drivers for Various Components

Client: BMW (Europe)

Processors: TC1796, TC1797 (Infineon)

RTOS: ERCOS

Duration: ~1 year

Language: Embedded C

Title: Implementation of On-Board Diagnostic (OBD) Services per OBD-1 and OBD-2 CARB Standards

Client: Renault, BMW (Europe)

Processors: Freescale MPC5xx, TC1796, TC1797 (Infineon)

Tools: CANalyser, INCA, UDE

Duration: ~6 months

Languages: C, CAN, CAPL, KWP

Title: Implementation of CAN for Engine Driving Behavior Control

Client: Renault, BMW (Europe)

Processors: Freescale MPC5xx, TC1796, TC1797 (Infineon)

Tools: CANalyser, INCA, UDE, etc.

Duration: ~6 months

Languages: C, CAN, CAPL