SUMAN KOMARLA ADINARAYANA
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

- Business Analytics
- Program & Project Management
- 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

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**

PROFILE SUMMARY

- **Business Analyst** 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** with over 19 years of global IT experience 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.

TECHNICAL SKILLS

- Data Analytics and Visualisation: Python, R, SQL, PL/SQl, AI and Machine Learning Techniques,SQL Server, Dashboards,KPI Scorecards and charting
- Data Mining:-Clustering,Decision Tree, Random Forest,Aritificial Neural Networks
- Data Modelling , Training and Analytics:- Regression Analysis,
- Machine Learning:- Naive, Ensemble Tenchniques,Bagging,Boosting,SMOTE,Natual Language Processing,Text Mining,Sentiment Analysis
- Financial Tools:- Screener, SPSS, Eviews, PowerBI, Tableau, Microsoft Azure, Microsoft Prime,
- Statistical Analysis:- ANOVA, Exploratory Data Analysis, Principal Component Analysis
- **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

Robert Bosch Engineering & Business Solutions Pvt. Ltd., Bengaluru
Jul 2006 – Mar 2020

HCL Technologies Ltd.
Sep 2020 – Dec 2022

Crevavi Engineering Solutions Pvt. Ltd.
Mar 2024 – Jul 2024

WaferSpace
Apr 2020 – Jun 2020

L&T Technology Services
Dec 2022 – Jan 2024

Luxoft India
Jul 2024 – Present

💼 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*
- Led full-cycle project delivery from **RFQ/RFP response to post-implementation support**.
- Partnered with cross-functional teams on **requirement gathering, gap analysis, and process re-engineering**.
- Delivered **OEM support** for Honda braking applications, including **communication stack development and testing**.
- Implemented governance frameworks for **resource optimization and decision-making**.

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