



Prashant Prabodh

Senior Management . Software Architect
Coder . Consultant

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Visionary technology executive spearheading top-line growth, instilling a culture of innovation, and driving cost reduction and operational optimization. Proficient in conceptualizing and executing large-scale project visions from inception to completion, overseeing numerous projects and programs throughout their lifecycle.

Industries

- . **Banking** & Finance
- . Trading Technologies
- . Market Connectivity
- . **Market** Data
- . **Automotive**
- . Endpoint Management
- . Backup & Recovery
- . Semiconductor & CE

Profile Summary

- 22+ Years of rich experience in software development in many MNCs
- Technical leadership of team size up to 120
- Innovative problem solver with strong communication and soft skills
- Process-oriented approach in Management
- Craftsman approach for design and development
- Multi-Awarded Top-performer
- Technical Enthusiast and Lifelong Learner

Technical Domains

- . **Full Stack** development
- . Systems Programming
- . **Distributed** Systems
- . ADAS, SDV
- . Artificial Intelligence (AI)
- . Embedded Systems & IOT
- . High Frequency Trading
- . Low Latency Programming
- . Website development
- . Reactive Programming
- . Functional Programming
- . OO Programming
- . Multithreading
- . Meta Programming
- . **Cloud** Computing

Professional Experience

Principal Architect | Automotive, ADAS, SOA | Persistent | June 2023 - till date

- Migration of monolithic-ADAS to SOA-based ADAS architecture for Software Defined Vehicle (SDV).
- Designing the in-vehicle custom SOA framework, Gateway layer, Applications, Middleware, Platform, Abstraction layers & streamlining ops for multiple applications.
- Improved standardization, configurability, and manageability for various modules, Security and Telemetry.
- Utilizing Sparx's Enterprise Architect tool for UML diagrams and Interface Definition Languages (IDL) and Modern C++14 for precise interface and data model definitions.

CTO (Consultant) | IoT, Web | IXO Labs, RI Equation | January 2023 - June 2023

- Provided consultation for in-house and external Web and IoT projects.
- Played a vital role as a member of technical management teams.
- Contributed to project architecture, design, prototyping, and execution with a focus on technical aspects. Mainly used: Generative AI tools, Qt/Qml, C++, Java Quarkus.

Sr. VP (CTO) | Banking | iDigiCloud Technologies | Sep 21 – Oct 22

- Established tech capabilities for a startup, covering tools, processes, project management, and architecture with a focus on SOA, Microservices, Reactive, EDA, and Omnichannel for a Core Banking System platform. Managed end-to-end dev, sys, sec, and ops functions, including hardware infrastructure, on-prem cloud setup, information and security architecture, and tool configurations.

Technical Program Manager (Consultant) | Automotive | FEV India | Sept 21 – Oct 22

- Program Management functions for one of the Customer accounts
- Initiate, run, architect POCs in ADAS, SDV (Software Defined Vehicle). Lane Keep Assist (LKA) Function.

Solution Architect | ADAS | KPIT Technologies GmbH, Germany | July 19 – Mar 21

- **Project#1:** In the domain of Advanced Driver Assistance System (ADAS), for Central Sensor Cleaning Manager on xPAD hardware

Top Skills

- . **Project** Management
- . **People** Management
- . **Agile** Coach
- . TDD, **BDD** Process
- . SOA, Microservices
- . **OOAD**
- . Best practices
- . DevOps, CI-CD
- . Automation

Skill Specifics <ul style="list-style-type: none"> . Modern C++ 11/14/17, C . Java, Python . Qt/QML, Flutter . HTML, CSS, JScript . SpringBoot, Quarkus . GIT, Docker, Jenkins . Maven, Gradle, Groovy . SQL, NOSQL . AWS, Dapr.io, K8S, Ansible . UML, Draw.io, Plantuml . IDL, ROS, Some/IP . CodeBeamer, JIRA . Crucible, Confluence . Enterprise Architect . Unix Shell Scripting . Powershell, Perl . CMake, Bazel . REST API, Open API . Harbor Registry, Postman . SonarQube, Sonar Lint . MFC, Cocoa on Mac . BigFix, Relevance, RTC, RSA . DDK Windows . Eclipse Plugin Development 	<ul style="list-style-type: none"> - Receive, Analyze, Prioritize, Process Blockage info and initiate cleaning of sensors like LiDAR, Camera via Actuators - Use of the LeSS (https://less.works) Project Management Methodologies - Franca IDL (Interface Definition Language), ROS (Robotic Operating System), Some/IP (Scalable service-Oriented MiddlewarE over IP), Git, Classic AUTOSAR (Signal based), Adaptive (Service Based), ARA (Autosar Runtime for Adaptive Applications) COM. - Analyze requirements, Design, develop and unit test the Adaptive (Service Based) applications as per AUTOSAR and industry standard practices, guidelines, Pair Review Codes, Documentation. - Project#2: Setting up AWS cloud based CI pipeline, Cloud Automation, Modifying Groovy based Shared Library <p>Senior Technical Architect BFS Cognizant, India Oct 2013 –May 2019</p> <ul style="list-style-type: none"> - One of the first key technical member, who initiated and setup the account - Built teams by contributing to recruitment, KT and overall management processes - Accountable for overall quality of the code and delivery via automatic unit test frameworks and extensive reviews, enforce coding guidelines and best practices - Analyzed 20+ Stock Exchange specification - used for estimation and building design - Built generic modules (Template Meta Programming) which were extensively used across multiple venue development - Stock Exchange Messaging Formats: FIX, ITCH, TIP, FAST, many proprietary ones. <p>Sr. S/W Engineer Virtualization & Endpoint Mgmt IBM (ISL) Mar 10 –Oct 13</p> <ul style="list-style-type: none"> - Engaged in development and maintenance of products (1) TEM for OS Deployment (2) IEM for Server Automation (3) Tivoli Provisioning Manager – Automation Package Development (4) POC for Service Lifecycle Management
Certifications <ul style="list-style-type: none"> . Certified Scrum Master 2015, Scrum Alliance . PL1 Certification, 2016, Cognizant . ITIL Foundation, 2012 . Certificate in Embedded Systems, 2003, IIT Bombay 	<p>Lead Engineer Backup & Recovery Symphony Services Feb 08 –Mar 10</p> <ul style="list-style-type: none"> - Responsible for designing, developing, and validating the feature additions. <p>Technical Specialist Streaming Protocol Aztechsoft Oct 07 – Jan 08</p> <ul style="list-style-type: none"> - Part of RTP, RTSP protocol development on Helix server team <p>Tech Lead Semi-CE Wipro Technologies May 2004 –Sept 2007</p> <ul style="list-style-type: none"> - Project-1: Uploader Abstraction Layer – C++ and JNI based abstraction layer between Java User application and a DLL used for uploading / upgrading / cloning the firmware on USB/FireWire SATA bridge device - Responsibilities: Team Management, Design, Development of UAL - Project-2: Device Drivers for OXUSB95x devices – USB-to-Serial bridge devices - Responsibilities: For IXUS 950 (1-1 port) and OXUSB954 (1-4 ports) - implementation of Bus driver and Function driver. Bus driver used only for OXUSB954. Function drivers do main tasks of read/write/handling IOCTLs/PNP IRPs. To show serial ports we added Window Registry entries. Drivers were tested using WHQL and COM applications like HyperTerminal/RealTerm/COM7.6.
Education <ul style="list-style-type: none"> . PGDBM, (IT & Systems) 2010, ICFAI . Bachelor of Engineering (Computer Science), 2000, Pune 	<p>Software Engineer CygNET Systems Mar 2001 –Apr 2004</p> <ul style="list-style-type: none"> - I contributed to WeighPad and MailPad software development - Engaging in customer interactions, requirement gathering, and coding to deliver user-friendly solutions.
Interests <ul style="list-style-type: none"> . Meditation . Social Work . Singing, Sketching 	