

# ANIL TRIPATHI

Technical Project Manager | GIS Solution Architect | Agile Delivery Lead

**PMP® | SAFe® Scrum Master | MIE Chartered Engineer | MBA Cert. (SPM) | DME**

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## PROFESSIONAL SUMMARY

Accomplished Technical Project Manager and GIS Solution Architect with over 30 years of progressive experience in IT project delivery, enterprise application development, and geospatial technology leadership. PMP-certified professional with a proven track record of managing end-to-end project lifecycles, leading cross-functional teams of up to 30 members, and delivering complex technology solutions for global clients across telecom, utilities, and government sectors.

Currently serving as Group Business Application Analyst at EnerMech Pvt. Ltd., driving enterprise application modernization, SQL database migration, and Power Platform adoption. Previously led GIS automation, web application development, and solution architecture initiatives at Rolta India Ltd. for 27 years, successfully delivering projects for British Telecom, Hong Kong Telecom, AT&T, US West, FEMA, and other high-profile international clients.

Combines deep technical expertise in full-stack development (ASP.NET, C#, Angular, React, SQL Server, Oracle) with strong project management acumen using Agile (SAFe/Scrum), Waterfall, and hybrid methodologies. Skilled in stakeholder management, risk mitigation, resource planning, and data-driven decision-making to consistently deliver projects on time and within budget.

## CORE COMPETENCIES

✓ Technical Project Management	✓ Agile Delivery (SAFe/Scrum)	✓ Full Project Lifecycle (SDLC)
✓ Stakeholder & Client Management	✓ Risk Assessment & Mitigation	✓ Resource Planning & Allocation
✓ Solution Architecture & Design	✓ GIS/GPS/Remote Sensing	✓ Enterprise Application Development
✓ Cross-Functional Team Leadership	✓ Budget & Schedule Management	✓ Vendor & Client Coordination
✓ Sprint Planning & Retrospectives	✓ Requirements Elicitation	✓ Change Management & Governance
✓ ERP Implementation (Oracle Apps)	✓ Data Analysis & BI Reporting	✓ Quality Assurance & QC
✓ SharePoint & Power Platform	✓ CI/CD & DevOps Practices	✓ Migration & Modernization
✓ Technical Documentation	✓ Training & Knowledge Transfer	✓ Strategic Planning & Execution

## CERTIFICATIONS & PROFESSIONAL CREDENTIALS

- **Project Management Professional (PMP)®**

Project Management Institute (PMI), PA, USA — Certified Oct 2021

- **SAFe® Scrum Master**

Scaled Agile Framework — Certified Nov 2021

- **MIE, Chartered Engineer (Mechanical)**

Institution of Engineers (India), Kolkata

- **MBA Certificate in Software Project Management**

National Institution of Management — 70% marks, 2009

## PROFESSIONAL EXPERIENCE

### Group Business Application Analyst / Technical Project Manager

**EnerMech Pvt. Ltd., Mumbai** | Dec 2021 — Present

- Spearheading enterprise application strategy and technical project delivery for global engineering services company, managing end-to-end project lifecycles from requirements gathering through deployment and post-go-live support.
- Led the complete SQL Server consolidation and migration program across the organization, ensuring backward compatibility of all dependent business applications while minimizing downtime and data integrity risks.
- Architected and delivered the Enterprise Information System (EIS) responsible for synchronizing data from third-party tools, automating data processing, and uploading calculated business outputs — reducing manual effort by 60%.
- Developed and launched the "Bid No Bid" decision support application on SharePoint and PowerPoint, streamlining the business proposal evaluation process across multiple business units.
- Designed and deployed the "Walk The Talk" mobile application using SharePoint, Power Apps, and Power Automate, with integrated Power BI dashboards for real-time operational visibility and executive reporting.
- Managing cross-functional stakeholder relationships, facilitating sprint planning and retrospectives, and ensuring Agile delivery cadence using JIRA and Azure DevOps for project tracking.

### **Manager (Automation) / Technical Project Manager / GIS Solution Architect**

**Rolta India Ltd. (Regional Office), Mumbai** | Dec 1994 — Nov 2021 (27 years)

Progressively advanced through technical and leadership roles over a 27-year tenure, ultimately managing teams of up to 30 technical professionals while delivering enterprise GIS solutions, web applications, and automation tools for Fortune 500 clients globally.

#### **Project Management & Delivery Leadership**

- Managed a portfolio of 30+ concurrent projects across GIS, web development, and enterprise automation, utilizing Waterfall, Agile, and hybrid delivery methodologies based on project complexity and client requirements.
- Led cross-functional teams of up to 30 technical professionals (developers, GIS analysts, QA engineers) for analyzing, manipulating, and presenting complex geographical information across public and private sector projects.
- Successfully delivered high-profile international GIS projects including British Telecom, Hong Kong Telecom, US West, Nepsco, Mainz, EPDCL, Fiji Telecom, FEMA, NSTAR, CPS, MTNL, BSNL, BEST, and ENECO — consistently meeting quality standards, budget constraints, and delivery timelines.
- Served as Key Solution Architect for British Telecom, Nepsco, and Mainz implementations, defining technical scope, recommending solutions that optimize client value, and presenting design concepts to senior management.
- Managed project budgets, resource allocation, risk mitigation, and dependency tracking using Microsoft Project, Azure DevOps, Monday.com, and JIRA to ensure on-time delivery with quality.
- Established and led the software development practice (Jan 2000 — Nov 2021) with a core team of 10 developers, delivering 25+ web applications and enterprise tools across multiple technology stacks.
- Conducted architecture reviews, prepared technical documentation, white papers, and design recommendations for operational and technical audiences including C-suite stakeholders.
- Drove adoption of software engineering best practices including SDLC processes, code reviews, version control (VSS), and quality gates across all development projects.

#### **Solution Architecture & Enterprise GIS**

- Provided strategic architectural direction for enterprise GIS solutions serving telecom, power, gas, and government utility clients, bridging the gap between business requirements and technical implementation.
- Designed and developed proprietary GIS automation tools for auto-placement, whitespace management, auto-correction, snapping, tracing, nodding, 3D features, and quality control routines — significantly enhancing productivity and reducing manual errors in AM/FM workflows.

- Architected web-based GIS applications integrating spatial and non-spatial data using GeoMedia WebMap, GeoMedia Pro, ArcGIS Server, ArcSDE, and PostGIS for clients including Maharashtra Public Works Department, EPDCL, BEST, BT, and BSNL.
- Proficient in GIS datasets, spatial data modeling, coordinate systems, and data storage technologies including ESRI Production Mapping, ArcFM, GeoMedia Public Works, and Cadastral Mapping Systems.
- Led pilot projects for ENECO (GML-to-DGN translation) and FEMA (flood zone digitization and delivery in GeoMedia Shape files and ArcInfo formats), both completed successfully within aggressive timelines.
- Managed large-scale GIS CAD projects for NGRID, US West, Hong Kong Telecom, Fiji Telecom, and Maharashtra Forestry — overseeing data conversion, digitization, quality control, and final delivery using Microstation, IRASB, and IRASC.

### Web Applications & Enterprise Automation

- Developed proof-of-concept applications and high-level technical plans using ASP.NET (2.0, 3.5, 4.0), C#, VB.NET, MVC 5, MVC Core 3.0, Angular, Web API, Razor, Ruby on Rails, React, Ionic (Mobile), JSON, jQuery, Bootstrap 4, WCF, Silverlight, WPF, XAML, and ADO.NET.
- Delivered enterprise-grade Appraisal System (Oracle ERP-integrated) deployed across all Rolta SBGs and international business units, featuring multi-level approval workflows up to JMD level with Crystal Reports-based print generation.
- Architected and deployed AT&T/ARES Tracking System integrating secured SOAP-based web services over VPN, serving 1,000+ concurrent users for real-time job assignment, resource management, and timesheet tracking.
- Built and maintained suite of HR & Finance automation tools: online Attendance/HRMS, PF KYC System, Appraisal System, Reimbursement System, Auto Alert Systems — streamlining processes across the organization.
- Developed enterprise tools including Timesheet, Project Tracking, QA Tracking, Skill Set Management, Online Test Platform, Query Handling System, Desktop Inventory, and Content Management System.
- Designed Generic Workflow Management System for production floor tracking: job assignment through final delivery, individual productivity calculation, performance analytics, and management reporting — deployed as a reusable framework across multiple project types.
- Involved in ERP Implementation (functional) based on Oracle Apps Release 12, developing custom tools and extensions as per business requirements.

### **Quality Control Supervisor**

**Tancom Electronics, SEEPZ, Andheri (East), Mumbai** | Apr 1994 — Nov 1994

- Supervised quality control operations for manufacturing of coils and head stacks used in hard disk drives within an ISO 9000-certified production environment. Ensured adherence to manufacturing specifications and quality standards.

### **Quality Control Engineer**

**Brihan Maharashtra Steel Industries, Thane** | Sep 1993 — Mar 1994

- Managed quality control of manufacturing processes for drum closures used for inflammable storage in an ISO 9000-certified facility. Ensured compliance with safety and quality standards.

### **KEY PROJECT PORTFOLIO (SELECT HIGHLIGHTS)**

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**British Telecom / Hong Kong Telecom / US West** | GIS AM/FM | Multi-year engagement

Led end-to-end delivery of large-scale telecom GIS projects including data conversion, AM/FM digitization, quality control, and spatial data management for international telecom clients.

**AT&T/ARES Tracking System** | ASP.NET 2.0, Oracle 10g, Web Services | 6 months

Architected SOAP-based web service integration over VPN for real-time job tracking, serving 1,000+ concurrent users with resource management, timesheet, and status reporting.

**Maharashtra PWD Web GIS** | ASP, GeoMedia WebMap, SQL Server | 6 months

Delivered web-based GIS application for the Maharashtra State Government displaying spatial and non-spatial road network information with interactive map operations (zoom, pan, query, area/distance calculation).

**Rolta Enterprise Appraisal System** | ASP.NET 2.0, Oracle 10g, ERP | 5 months

Developed and deployed organization-wide appraisal portal with 6-level approval hierarchy, Crystal Reports integration, and automated appraisal letter generation for all employees.

**Enterprise HR/Finance Automation Suite** | ASP.NET, SQL Server, Oracle | Ongoing

Built comprehensive HRMS suite: attendance tracking (ATR machine integration), OT/salary calculation, PF KYC, appraisal, reimbursement systems with Crystal Reports and automated alerting.

**FEMA Flood Zone Mapping** | Microstation, GeoMedia, ArcInfo | 6 months

Digitized features for US flood-affected zone definition for insurance applications, delivering in GeoMedia Shape files and ArcInfo formats.

**GIS Utility Projects (EPDCL, BEST, BT, BSNL)** | ASP.NET, GeoMedia WebMap, Oracle | 6 months

Delivered web-based GIS solutions integrating billing data with spatial features, including online feature creation and multi-level approval workflows for proposed infrastructure plans.

**SQL Server Consolidation & Migration** | SQL Server, SharePoint, Power Platform | Ongoing

Led organization-wide SQL upgrade and consolidation program at EnerMech, ensuring compatibility of all dependent business applications with zero data loss.

## TECHNICAL SKILLS & TOOLS

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<b>Project Management</b>	JIRA, Azure DevOps, Monday.com, Microsoft Project, Agile (SAFe/Scrum), Waterfall, Hybrid
<b>Programming Languages</b>	C#, VB.NET, JavaScript, VBScript, SQL, PL/SQL, MDL, C
<b>Web Frameworks</b>	ASP.NET (2.0, 3.5, 4.0), MVC 5, MVC Core 3.0, Angular, React, Web API, Razor, Ruby on Rails
<b>Frontend Technologies</b>	HTML5, CSS3, jQuery, JSON, Bootstrap 4, W3, Ionic (Mobile), WPF, XAML, Silverlight
<b>Databases</b>	Oracle (8i/9i/10g/11g), SQL Server (2000/2008/2012), MS Access, PL/SQL, ADO.NET
<b>Microsoft Power Platform</b>	Power BI (Dashboards & Reports), Power Apps, Power Automate, SharePoint (2009/2016/Online)
<b>GIS &amp; Spatial Technologies</b>	ArcGIS 10.4, ArcGIS Server, ArcSDE, ArcGIS Online, Portal for ArcGIS, ESRI Production Mapping
<b>GIS Desktop &amp; CAD</b>	GeoMedia Pro 5.1/5.6/6.1, Microstation, ArcFM, GeoMedia Public Works 6.0, G/Electric
<b>WebGIS Solutions</b>	GeoMedia WebMap, GeoMedia Web Publisher, ArcGIS Server Advanced Enterprise
<b>Specialized GIS</b>	GeoMedia Parcel (Land Information), Cadastral Mapping, Rolta Mapper (Photogrammetry)
<b>Business Intelligence</b>	ESRI Maps for Office, ESRI Maps for IBM Cognos, Crystal Reports, Power BI
<b>Collaboration &amp; DevOps</b>	Microsoft Teams, SharePoint Online, Azure DevOps, VSS (Version Control), WCF, SOAP/REST
<b>Operating Systems</b>	UNIX, Windows (8.1/10/11), Windows Server 2012

## EDUCATION

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### **MBA Certificate in Software Project Management**

National Institution of Management | 70% marks | 2009

### **AMIE — Chartered Engineer (Mechanical)**

Institution of Engineers (India), Kolkata | Mar 2006

### **Diploma in Mechanical Engineering (DME)**

K. K. Wagh Polytechnic, Panchavati, Nashik (BTE, Maharashtra) | Aug 1990 – Aug 1993

## PROFESSIONAL TRAINING & CONFERENCES

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- ESRI Production Mapping, System Architecture and Design Strategies — ESRI Certified Training
- ESRI User Conference (UC) — Attended 2011 and 2016
- Microstation and GeoMedia Professional Training — Intergraph/Hexagon
- SAFe® Scrum Master Training & Certification — Scaled Agile, 2021
- PMP® Exam Preparation & Certification — PMI, 2021

## KEY LEADERSHIP STRENGTHS

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**Strategic Thinker:** Translates complex business needs into actionable technical roadmaps and delivery plans

**Change Agent:** Drives technology modernization and process improvement across organizations

**Collaborative Leader:** Builds and motivates high-performing cross-functional teams in multicultural environments

**Effective Communicator:** Presents technical solutions to C-suite, operational teams, and client stakeholders

**Meticulous Planner:** Manages budgets, timelines, risks, and dependencies with precision using industry tools

**Client-Centric:** Maintains strong client relationships and ensures alignment between delivery and business objectives

## PERSONAL DETAILS

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**Date of Birth:** 16th November 1972

**Languages:** English, Hindi, Marathi, Gujarati

**Location:** A/103, B-105, Jagannath Dham, Vinayak Nagar, Bhayandar (West) 401101, Mumbai, India