

Manmohan Sharma Technology Architecture Manager

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Summary

Technical Project Manager with 14+ years of expertise in Quality, Performance, and Reliability Engineering. Proven track record in leading technical consulting, innovation, and cross-functional teams across Finance, Public, and Telecommunications sectors. Deep experience throughout the Software Development Lifecycle (SDLC), with certifications as a Technology Architect, Business Analyst, and Cloud Practitioner (Azure, AWS). A key contributor to the North America Technology, Quality, and Performance Engineering group, skilled in optimizing system designs, driving performance improvements, and elevating enterprise-wide quality standards.

Professional Goal : To lead transformative programs leveraging next-gen technologies, fostering innovation, and delivering high-impact outcomes that drive strategic business value and operational excellence. Aiming to collaborate with forward-thinking teams to push the boundaries of product performance and quality.

Skills

Project Management (Waterfall, Agile): Delivered enterprise projects valued at \$5-17M, achieving high ROI.

System Quality, Performance, and Observability: Automated solutions across diverse technologies, reducing MTTR by 80%.

Cloud (Azure, AWS): Designed test frameworks using cloud services, contributing to \$17M in RFP sales.

System Design and Architecture: Analyzed and resolved issues, implementing improvements with cross-functional teams.

Business Analysis: Managed requirements and mitigated risks, aligning with business, technical, and delivery goals.

Presentation Skills: Developed and presented tailored solutions, securing buy-in from C-suite executives and VPs.

Experience

Technology Architecture Associate Manager for 3+ years

Accenture Technology, Canada

Role: Technical Project Manager (Performance)

Nov 2024 – Present | Toronto (Remote)

Client: Retail Enterprise

Established an enterprise-wide performance engineering strategy for legacy to SAP Cloud Migration; defined quality standards and validation frameworks across test phases to safeguard stability, scalability, and business continuity.

- Aligned 30+ cross-functional stakeholders via strategy readouts and test governance
- Enabled data-driven decisions with clear metrics and dashboards.
- Built and scaled a global SDET team; introduced onboarding, skills development, and delivery playbooks.
- Advanced Design-for-Performance and observability practices across SAP landscapes

Tech Stack: Azure, SAP S/4HANA, SAP CAR, IBM Sterling, HP ALM, LoadRunner.

Role: Technical Project Manager (Performance),

Nov 2023 – present | Waterloo (Remote)

Client: Leading Financial services

Led performance, reliability, scalability, and observability for 24+ On-Prem and AWS application stacks within a government healthcare program, serving 9 million customers.

- Presented the testing strategy to Directors and the steering committee, ensuring full alignment with business objectives.
- Successfully delivered a multimillion-dollar, multi-year program, managing 70+ global projects across multiple releases.
- Hosted 30+ biweekly sessions, team health checks, and retrospectives, fostering a culture of continuous improvement.
- Implemented 10+ KPIs that were accepted by leadership, improving governance and performance monitoring.
- Identified and triaged 20+ critical performance and scalability issues, ensuring a successful go-live.
- Coordinated testing with 10 SDET and 50+ global team members, meeting milestones and high-quality consistently.
- Collaborated with business and product teams to define non-functional requirements and validation strategies.
- Proposed a roadmap for “Design for Performance in Agile,” now implemented across the enterprise.
- Participated in all phases of the SDLC, from requirements analysis to implementation.

Tech Stack: AWS (Kubernetes, Connect, API Gateway). PEGA, Mainframe, ESB, FileNet, EDI, SQL, Web and Mobile portals

Role: Technical Project Manager (Quality Engineering),

Apr 2021 – Oct 2023 | Ottawa(Remote)

Client: Crown Postal Services

Led the delivery of legacy data migration to Big Data and Analytics architecture on Azure, managing strategy and risks across 8 releases. The solution reduced organizational reporting costs while addressing accuracy and delay gaps.

- Resolved architecture issues, leading to \$400K annual infrastructure savings and an 80% improvement in performance.
- Optimized project processes and frameworks with project leads, increasing sprint velocity by 40%.
- Developed, migrated, and managed ELT test frameworks on Azure, generating \$300K in annual savings.
- Identified and triaged 100+ critical functional and performance issues, ensuring a successful go-live.
- Hired, trained and coached 5 SDET and 15+ member agile team on Data and Quality engineering best practices.

- Assisted business partners with User Acceptance Testing (UAT) to ensure alignment with business requirements.
- Consulted with clients to develop Disaster Recovery (DR) plans and Business Continuity (BC) solutions.
- Advocated for Agile, continuous testing, and CI/CD best practices, de-risking releases and improving project outcomes.
- Oversaw and coordinated unit, integration, and system testing, following detailed test plans to ensure high-quality.

Tech Stack: Azure (Data Lake, Data Factory, Databricks, Synapse, Dev-Ops, Power BI), Mendix, Jira, Confluence

Technology Architecture Delivery Specialist for 2 Years

Accenture Technology, Canada

Role: Technical Manager (Performance Engineering),

Oct 2019 – Mar 2021 | Ottawa(Hybrid)

Client: Crown Postal Services

Led the project scope, requirements, timelines, team, and communication for legacy application modernization to microservice architecture on Azure, serving 30K internal users.

- Pitched strategy, identified risks, and proposed mitigation plans to the COE leads, resulting in \$3M savings.
- Developed an in-house open-source test framework leveraging Azure, achieving \$200K in annual savings.
- Conducted 40+ defect root cause analyses and triage, reducing page response time by 50%.
- Hired, trained, and mentored 5 cross-vendor SDET for performance testing activities and best practices.
- Advocated across 5+ scrum teams of 30+ members on design for performance and shift left best practices within Agile.
- Collaborated with SAAS software vendors and operations to highlight design and observability gaps and implement real-time KPI dashboards for data driven decisions on app performance status.

Tech Stack: Azure (Kubernetes, API Gateway, SQL, Application Insight), Git, Jenkins, Docker, Jira, Confluence.

Role: Splunk Enterprise Architect, Client: Crown Mortgage and Housing Corp.

Oct 2018 – Sep 2019 | Toronto(Hybrid)

Led design, plan, and implementation of Splunk real-time monitoring, reporting and alerting solution for 10+ enterprise application hosted over AWS cloud services.

- Performed tool comparisons, procurement, installation, and needed integrations over cloud services.
- Designed custom real time dashboards using Splunk, HTML, CSS, JavaScript to meet client requirements.
- Coached 6-member team of SDET and client on usability, maintenance, and onboarding of new features.
- Conceptualized and implemented one stop Realtime “Monitoring and Reporting applications” for multiple data feeds.

Tech Stack: CMS Apps, AWS (EC2, S3, CloudFront, CloudWatch, Application insight), Splunk, JMeter, Selenium, AppDynamics.

Team Lead over 8 years period

Accenture Service, India

Role: Performance Engineering Architect, Client: Leading Telecom Services

Nov 2010 – Sep 2018 | Vancouver / India

Led the strategy, approach, budgeting, planning, execution, troubleshooting, and reporting across 30+ releases for 20+ application stack migration, upgrade, and modernization programs.

- Optimized team processes, scripting, execution, and reporting, reducing code verification efforts by 40%.
- Designed automated performance monitoring, alerting, and reporting frameworks, cutting debug times by 80%.
- Organized release status and defect resolution sessions with cross-functional teams, driving efficient collaboration.
- Developed key performance indicator reports for transaction performance, enhancing data-driven decision-making.

Tech Stack: On-premises Apps (.NET, JAVA, Mainframe), AWS (CloudFront, EC2, S3, Sitecore, RDS)

Team Lead (Performance Engineering), Digital Transformation

Lead performance testing, engineering, monitoring, and reporting transformation roadmap using APM solutions.

- Collaborated with stakeholders in a multivendor environment for defining performance test strategy.
- Diagnosed and recommended code tuning for a vendor application, improving performance of 27+ pages by 80%.
- Defined and implemented testing, monitoring, observability, and alerting frameworks across 10+ applications.
- Worked with developers and operations to enable real-time monitoring and proactive issue resolution.

Senior Software Development Engineer in Test, Ordering Application Transformation

Delivered solutions to establish performance release cycles by defining robust workload, environment, monitoring, and testing practices.

- Analyzed and presented a comprehensive baseline performance summary for existing system to drive improvements.
- Collaborated with operations for implementing software for monitoring, alerting and reporting across 30+ applications.
- Collaborated with cross functional global product team to define non-functional requirements and performance SLAs.
- Awarded the "Accenture Innovation Award" for excellence in performance engineering and testing implementation.

Software Development Engineer in Test, Enterprise Application Migration and Upgrade

Worked as a application performance SME and tester for 10+ applications delivering multiple releases. Established testing, analysis, and reporting best practices while mentoring an offshore team on application and technical aspects.

- Developed, maintained, and executed 1000+ test scripts, ensuring high-quality standards.
- Defined test artifacts and streamlined the test cycle delivery process, reducing planning and execution times by 40%.
- Managed daily health checks, weekly offshore and client meetings to maintain client alignment and oversight.
- Awarded "Bravo Awards" for two consecutive years for maintaining Workforce system performance bug-free .

Certificates

Google Project Management - 2025
Azure AI Fundamentals - 2023
Technology Architect (Accenture program) - 2022
Azure Data Engineer Associate - 2021
Azure Fundamentals - 2021
Certified Business Analyst Professional(IIBA) - 2019
AWS Solution Architect Associate - 2019

Education

Bachelor of Technology, Computer Science
Biju Patnaik University of Technology, India
July 2006 - 2010