

Xu (Emma) Wang

• popoxu215@hotmail.com • 4164078480 • Mississauga, ON, Canada • linkedin.com/in/emma-wang-92356614

SUMMARY

Strategic and results-driven Technical Program Manager with over 12 years of experience leading complex, cross-functional initiatives at Bell Mobility. Proven track record of driving cloud-native modernization programs, automating technical workflows, and executing large-scale projects across Agile, Scrum, and Waterfall methodologies. Skilled in bridging business needs with technical delivery, managing multi-vendor RFPs, budgets, and governance frameworks to achieve measurable results. Led the GCP-based transformation of Bell's RF design platform, and enhancing network planning efficiency. Adept at stakeholder engagement, cross-functional alignment, and change management to deliver high-impact, scalable solutions. Experienced in building KPI-driven governance structures, optimizing team velocity, and driving process improvement across multiple workstreams. Recognized for translating strategy into execution while ensuring regulatory compliance, operational excellence, and exceptional customer outcomes. Certificated Agile Product Owner, Scrum Master, PMP certification is in progress. Passionate about enabling digital innovation in fast-paced and mission-driven environments.

EXPERIENCE

Bell Mobility, Senior Technical Architecture at RAN Design Standards

Jan 2020 - Present

- **Enterprise-Scale System Modernization:** Led the transformation of Bell's RF design platform into a cloud-native, GCP-hosted solution. Delivered seamless data integration, platform migration, and system optimization—resulting in a 34% improvement in network design accuracy and operational efficiency.
- **Product Delivery & Agile Leadership:** Directed end-to-end technical delivery for national infrastructure projects using both Agile and Waterfall methodologies. Spearhead in data integration and ETL process, implement standards and improve data accuracy and data qualifications, Oversaw multiple concurrent initiatives through all phases of the project lifecycle, ensuring alignment with timelines, budgets, KPIs, and quality benchmarks. Spearheaded Agile product development of RF tools and technical architectural standards for Radio Access Networks (RAN), including backlog grooming, sprint planning, and cross-functional stakeholder management. Led product teams in delivering scalable and reliable network design solutions aligned with strategic business goals.
- **Process Automation & Innovation:** Championed automation initiatives including the development of digital twins for 5G RAN throughput simulation, Develop GIS automation tool by using Open data, Introduced AI/ML-enhanced data modelling tools by using crowd source data, to reduce manual effort and accelerate planning workflows, and support predictive analysis across network operations.
- **RFP & Vendor Management:** Managed complex multi-vendor RFP processes—defining business cases, evaluation frameworks, and compliance requirements. Conducted demo coordination, scoring, and contract negotiations while ensuring alignment with Bell's procurement standards and audit readiness.
- **Cross-Functional Collaboration:** Coordinated deliverables across engineering, planning, operations, and cloud governance teams to execute system integration, platform migration, and solution deployments within aggressive timeframes. Championed collaborative culture to resolve dependencies and mitigate risks proactively.
- **Governance & Reporting:** Developed and maintained PMO-style dashboards, risk registers, and reporting tools to provide executive-level visibility into project milestones, resource usage, and operational risks. Promoted transparency through standardized workflows and documentation.
- **Regulatory Compliance:** Ensured ongoing compliance with ISED and internal regulatory requirements through structured documentation, QA reviews, and the implementation of scalable design processes.
- **Data Analytics & Visualization:** Conducted performance and root cause analysis using Alteryx, Excel, and internal tools to support business decision-making and operational improvements. Led the creation of dashboards and automated reports to enhance stakeholder insight and efficiency.
- **Strategic problem solving,** led the root cause analysis on performance and customer complain issues, successful identified the root causes and provided solutions, led to successful project rollout.
- **Certifications:** Scrum Master, Product Owner (Scrum.org), SAFe for Teams; PMP in progress.
- **Tools & Methodologies:** Microsoft Project, SharePoint, Jira, Confluence, Miro, Alteryx, Python, Raster API

Bell Mobility, RF Specialist at RF Design & Performance

Jun 2011 - Dec 2019

- Technical project management on end-to-end process of RAN network designs, implementation and execution, collaborating with cross-function teams to successfully implement RAN station infrastructure, enhancing overall RAN system performance, achieving substantial improvements in signal coverage and quality across multiple regions, directly contributing to increased customer satisfaction.
- Evaluated network performance metrics and conducted rigorous analyses to identify areas for enhancement, revamping existing processes for network performance evaluations, decreasing assessment time by 25%.
- As senior RF design specialist, trained junior engineers on technical standards and best practices

SKILLS

- Data Platform Integration & ETL process
- GCP Cloud Solution.
- System Architecture & Technical Strategy
- Request for Proposal (RFP)
- Regulatory Compliance
- PMP Certification Prep
- Project Lifecycle Management (Agile & Waterfall)
- Tool & Process Automation
- Stakeholder Collaboration
- Cross-Functional Leadership
- Vendor & Procurement Management (RFP, SOW, SLA)
- Salesforce Administrator Cert Prep

HONOURS & AWARDS

Bell Excellence and Innovation Award

Bell • Jan 2024

Improved WHI qualification accuracy in Atlantic Canada by operationalizing precise prediction models

Bell Merit Gold Award

Bell • Jan 2023

Wireless Point-to-Point Predictive Analysis Automation (Merit Gold Award)

LICENSES & CERTIFICATIONS

SAFe for Teams (6.0)

Scaled Agile (SAFe®) Training by Agile Certification Academy • 22131852-1805 • Issued May 2023

Professional Scrum Product Owner (PSPO I)

Scrum.org • 772515 • Issued Mar 2022

Professional Scrum Master (PSM I)

Scrum.org • 593269 • Issued Nov 2020

Google Cloud Foundations (GCP)

LinkedIn • Issued Dec 2022

Generative AI for Product Managers

LinkedIn • Issued May 2025

Project Management Foundations

LinkedIn • Issued Jun 2025

SAP ERP Essential

LinkedIn • Issued May 2025

LANGUAGES

- English
- Chinese

EDUCATION

Xi'an Jiaotong University

Master's Degree • Telecommunications Engineering • Sep 2000 - Jun 2003

Xi'an University of Technology

Bachelor's Degree • Engineering • Sep 1996 - Jun 2000

REFERENCE

Mingming Wei

Senior Manager of Wireless Technology, Bell Mobility

mingming.wei@bell.ca 4169701938

Samuel Domingues

Senior Manager - Wireless Network Product Management - Automation and Analytics, Bell Mobility

samuel.domingues@bell.ca 416-575-0462