

Johnny J. Cheng

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Professional Summary

Results-driven Technical Program Manager with 12+ years of experience leading cross-functional teams in software development, AI/ML systems, and cloud-based data platforms within defense and enterprise environments. Adept at delivering complex technical programs through Agile methodologies, stakeholder alignment, and scalable system integration. Proven track record in managing end-to-end product lifecycles from requirements and architecture to deployment and compliance across secure, high-impact initiatives. Skilled in bridging engineering execution with strategic planning, fostering collaboration between data scientists, software developers, and system engineers to drive innovation and operational excellence.

Technical Skills

Portfolio & Project Management, Model-Based Systems Engineering (MBSE), UML, DoD Architecture Frameworks, Requirements Analysis & Traceability, Agile/Scrum, SAFE, Jira, Cost & Schedule Estimation, JavaScript, Python, Java, R, SQL, Requirements Analysis, Azure, AWS, System Integration, Simulation & Modeling, Machine Learning, DevOps, Budget Management, Cloud Platforms Infrastructure Management, Customer Management, Security Clearance: TS-SCI

Certifications

PMP, PMI-ACP, ITIL 4, CompTIA Cloud+, Security+, Linux+, Azure AI Engineer (AI-102), AWS ML(MLS-C01), Azure DevOps Expert (AZ-400), Azure DB Admin(AZ-104), Azure Data Engineer(DP203), CDSE Risk Management (RMF)

Education

M.S. in Data Science & Analytics – Georgia Institute of Technology
M.S. in Computer Science, AI/ML – Western Governors University
Graduate Certificate, Artificial Intelligence – Carnegie Mellon University
B.S. in Computer Science – Western Governors University
MBA in Supply Chain Management & Logistics – American Military University
B.B.A. in Project Management – Polytechnic University
Full-Stack Software Development Program – TechWise by Google

Professional Experience

Technical Program Manager – AI/ML & Systems Engineering

Artificial Intelligence Integration Center, U.S. Army

Jul 2023 – Present

- Lead systems engineering efforts across AI-enabled defense platforms, including requirements definition, system architecture, and interface control, using MBSE.
- Manage 3 Agile teams delivering AI/ML models and backend infrastructure for classified projects, ensuring alignment with mission and technical goals.
- Direct the deployment of resilient Azure-based data systems with 99.9% uptime supporting intelligence workflows.
- Develop and maintain DevSecOps CI/CD pipelines, ensuring secure integration and compliance with RMF standards.
- Oversee stakeholder alignment, roadmap planning, budgeting, and risk tracking across multi-phase programs.

Data Scientist/Software Developer – Predictive Analytics

Artificial Intelligence Integration Center, U.S. Army

Jul 2018 – Jun 2023

- Performed end-to-end analytics on a portfolio of defense assets valued at \$183M, delivering data-driven recommendations that improved operational readiness by 34% and optimized resource allocation.
- Engineered and deployed linear regression models to forecast supply chain demands, reducing operational inefficiencies by 45% within a \$60M logistics program.
- Engineered and automated data pipelines to ingest and standardize logistics data from 7 disparate international sources, improving data quality and enabling cross-national supply chain analysis
- Led Agile sprint planning and review sessions for a cross-functional team of engineers and analysts, aligning model development milestones and data deliverables with key operational timelines

Senior Program Manager – Logistic Systems & Compliance

Logistics Readiness Center, U.S. Army

Jul 2016 – Jun 2018

- Directed 100+ personnel and oversaw \$20M in equipment, managing real-time logistics and maintenance tracking.
- Supervised \$60M in transactions while improving audit readiness and inventory system integrity using digital tracking tools.
- Authored and implemented SOPs aligned with cybersecurity and DoD logistics compliance protocols, improving system audits.