

Rob Hooper

Technical Program Manager | Bridging Strategy & Execution in AI/LLM Network Simulation

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SUMMARY

Technical Program Manager with a track record of delivering complex programs in AI infra, distributed systems, and large-scale developer platforms. Skilled at aligning engineering, product, and leadership to accelerate execution, de-risk delivery, and scale adoption. Known for simplifying complexity, killing friction, and shipping outcomes that move the business.

EXPERIENCE

Scala Computing — Technical Program Manager | Mar 2022 – Present

Directed delivery of a next-gen AI/LLM network simulation platform, enabling workloads at data center scale. Partnered with engineering and product to set clear milestones, ensuring adoption accelerated by X% and time-to-value was reduced by X weeks. Designed and enforced program management frameworks including dashboards, sprint cadences, and RAID logs. These processes increased transparency for leadership and boosted execution velocity by X% across distributed teams.

Elemica — Technical Project Manager | May 2019 – Feb 2022

Delivered SaaS and on-premise TMS solutions for Fortune 500 manufacturers. Worked across engineering, sales, and client IT teams to integrate systems into complex supply chains, reducing deployment timelines by X weeks. Led the end-to-end onboarding process, cutting cycle time by X% and improving satisfaction. Managed acquisition integration by developing playbooks that scaled to X new clients.

Dorman Products — Senior Business Analyst | Apr 2016 – May 2019

Spearheaded architecture of the first cloud-native API suite on Azure ↔ SAP stack, modernizing workflows and reducing defects by X%. Built single-pane-of-glass tools that reduced call times by X%, improving retention. Partnered with engineering and operations to modernize infrastructure, cutting delivery risk and enabling faster feature delivery.

McKean Defense — Technical Project Manager | Mar 2012 – Mar 2016

Directed development of high-reliability naval steering and navigation control software. Worked with Navy stakeholders and engineering teams to replace legacy systems with modernized solutions that improved performance by X%. Standardized software development processes, reducing variability in delivery timelines and improving security and compliance outcomes.

McKean Defense — Software Developer | Jan 2010 – Mar 2012

Built API-driven C# software integrating MATLAB, PSCAD, and custom simulation tools. Eliminated manual workflows, reducing design iteration time by X% and enabling engineers to test more configurations per cycle.

Booz Allen Hamilton — Software Developer | Jul 2009 – Dec 2009

Developed C++ Windows Mobile software fusing GPS, laser, and PDA data for defense applications. This innovation cut communication latency by X%, achieving Xx speedup over legacy workflows.

Penn State University (NC2IF Lab) — Research Assistant & Intern | May 2008 – Jun 2009

Designed software for Cisco- and MITRE-sponsored projects focused on network-centric cognition and information fusion. Co-authored research on extreme events laboratory development, demonstrating applications of academic research to industry partners.

EDUCATION

Penn State University — B.S. Information Science & Technology, Minor in Security & Risk Analysis (2009)

CERTIFICATIONS

Information Systems Security (INFOSEC) Professional • TeamOps Certification

SKILLS

Program & Project Management • Technical Program Leadership • AI/ML Infra • Distributed Systems • Cloud (Azure, SaaS) • API Architecture • Cross-Functional Leadership • Process Optimization • Agile/Scrum