

GEOFF MAZEROFF

AI-Enabled Engineering | Technical Coaching

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Summary

Senior engineer and technical coach with 15+ years of experience across highly regulated industries. Partnering with teams by applying modern software engineering practices and equipping engineers to use AI in ways that amplify their impact. Consulting directly with others to understand how work really flows and where practices can meaningfully improve. Bringing the same curiosity and care to every engagement: asking the right questions, keeping work focused, and building team capability that lasts.

Skills

- **AI & Developer Tools:** GitHub Copilot, Claude Code, context engineering, agentic engineering
- **Engineering Practices:** SDLC modernization, TDD, CI/CD, code review, DORA metrics, domain-driven design (DDD), DX
- **Languages & Frameworks:** C#/ .NET, TypeScript, React, Angular, Next.js, JavaScript
- **Testing:** XUnit, NSubstitute, React Testing Library, Jest
- **Cloud & DevOps:** Azure, Docker, GitHub Actions
- **Collaboration & Documentation:** Confluence, Jira, GitHub, Miro, Azure DevOps
- **Coaching & Leadership:** Engineering coaching, technical mentoring, Agile, process improvement
- **Governance & Compliance:** SOC 2, NIST 800-53 Rev 5

Experience

Professional Software Consultant | Lean TECHniques (Johnston, IA) | Feb 2025–Present

AI Enablement Coach — Lean TECHniques (client: Fortune 500 Financial Services Company)
May 2025–Present

- **Delivered AI enablement coaching across 20+ engineering teams**, embedding directly in real work to accelerate delivery and improve code quality across an enterprise-scale fintech organization.
- **Achieved measurable time savings** through AI-assisted workflows: log triage reduced 2.5 hrs → 30 min, common coding tasks 3 days → 30 min, and COBOL tracing 3+ hrs → 2 seconds via a custom Python workflow.
- **Co-created and led the AI & COBOL Learning Journey** for approximately 70 mainframe engineers, designing four workshops covering AI foundations, legacy maintenance, test case evaluation, and system documentation — partnering closely with senior mainframe engineers to ground content in real team challenges.
- **Led ensemble and mob programming sessions** introducing GitHub Copilot's ecosystem, emphasizing active collaboration over passive instruction.
- **Introduced context engineering and disciplined SDLC practices** (TDD, CI/CD, review hygiene) to ensure AI tooling elevated engineering maturity rather than bypassing it.
- **Established measurement loops** combining estimation-vs-actuals tracking with DX platform insights (AI adoption and DORA metrics) to quantify coaching impact and support enterprise reporting.
- **Led the coaching team's documentation and knowledge management initiative**, centralizing team knowledge in Confluence and reducing information sprawl — recognized by multiple peers as a standout contribution to team effectiveness and continuity.

- **Engaged with senior leaders on coaching discovery**, clarifying objectives, strategies, and tactics for the enterprise coaching team and aligning coaching effort with organizational priorities.
- **Contributed cross-track insights** by identifying high-performing practices across coaching engagements and sharing recommendations that strengthened other coaches' preparation and delivery.
- **Tech:** GitHub Copilot, Claude Code, context engineering, skills and agents, DX, Atlassian MCP, Atlassian Rovo; Java, Python, React, COBOL; AWS; Next.js; JetBrains IntelliJ, VS Code

Software Engineer — Lean TECHniques (client: Regional Auto Parts Distributor)
Mar 2025–May 2025

- **Delivered enhancements** to a client web app, improving salesperson productivity and user workflow clarity.
- **Reduced IT support load by 1–2 hours per week** by enabling users to resolve common tasks independently.
- **Improved documentation and communication**, reducing rework and strengthening alignment with stakeholders.
- **Tech:** C#, .NET, JavaScript, React, React Testing Library, Jest, GitHub Actions, GitHub OIDC, Azure, Docker.

Software Engineering Manager | RegScale, Inc. (Knoxville, TN) | Aug 2022–Feb 2025

- **Led and coached a 5+ person R&D team**, providing weekly 1:1s, clear expectations, and tailored guidance that elevated performance and accountability.
- **Built the company's first performance-management system**, introducing structured self-assessments, formal reviews, and continuous-feedback workflows that improved clarity and alignment.
- **Standardized RegScale's engineering knowledge base (Confluence)** by defining organization-wide structure, creating core SDLC and engineering-playbook content, and improving documentation quality across teams.
- **Raised engineering rigor through 2,000+ GitHub PR reviews**, delivering same-day feedback that improved code quality, reduced rework, and drove consistency across the C#, EF Core, TypeScript, and Angular stack.
- **Shipped 5–10 releases per month** as part of the Release Team while leading swarm efforts for high-priority launches.
- **Captured and analyzed engineering impediments**, driving visibility to leadership and proposing solutions with the potential to improve productivity by ~30%.
- **Introduced systematic engineering practices**, including a comprehensive code-review checklist and the team's first unit-testing initiative (XUnit, NSubstitute, Shouldly) to raise standards and reduce defects.
- **Facilitated cross-functional product and process alignment**, including Scrumban ceremonies, bug/enhancement prioritization, internal training workshops, and project management for organizational-alignment meetings supporting executive decision-making.
- **Tech:** .NET 8, C#, EF Core, SQL Server, TypeScript, Angular, XUnit, NSubstitute, Shouldly, JetBrains Rider; Confluence, Jira, Miro, Monday; GitHub, Docker.

Process Improvement Director | Lirio, LLC (Knoxville, TN) | Dec 2019–Aug 2022

- Promoted from Agile Coaching Director (2019) to Process Improvement Director (2021).
- **Redesigned organizational workflows**, moving from siloed departments to cross-functional teams and improving alignment across leadership, engineering, and product.
- **Coached directors and managers** on modern Agile practices and Azure DevOps, improving portfolio visibility and decision-making.
- **Authored foundational Confluence content** (roles, workflows, metrics) and launched guilds that unified architectural and quality practices.
- **Improved enterprise planning**, facilitating 12+ SAFe program increment (PI) cycles and driving behaviors that strengthened readiness and cross-team communication.
- **Built a learning-focused culture**, delivering coaching, workshops, and 70+ trust-building 1:1s that improved communication and organizational clarity.
- **Led organization-wide process improvements**, maturing system design reviews, requirements flow, technology acquisition, metrics, and leadership operating cycles.
- **Enhanced planning efficiency** by designing a pre-PI planning framework.
- **Strengthened systems-level understanding** with a company-wide process flow map that clarified bottlenecks and dependencies.
- **Improved coordination and documentation**, managing Technology's Confluence space and embedding with IT, Growth, and People & Culture to streamline workflows and expectations.
- **Tech:** Confluence, Azure DevOps, Miro, Trello, Mentimeter, SAFe

Team Leader | DPRA, Inc. (Knoxville, TN) | Nov 2015–Nov 2019

- Promoted from Senior Software Developer (2015) to Team Lead (2017).
- **Directed delivery for a mission-critical military logistics system**, serving as Team Lead/Scrum Master, guiding architecture decisions, and ensuring coordinated communication across product, engineering, operations, and executive stakeholders.
- **Improved systems clarity and execution**, documenting complex workflows, breaking down major features, and promoting peer code review practices that elevated quality and reduced delivery risk.
- **Led and developed a 6-person engineering team**, driving coaching, performance management, and professional growth while institutionalizing monthly 1:1s across the department.
- **Strengthened engineering excellence** by defining the project team leader role, improving onboarding and hiring processes, and mentoring developers in standards, workflows, and metrics.
- **Advanced organizational process maturity**, contributing to the company's CMMI-DEV Level 3 and ISO 9001:2015 certifications, and co-managing the ISO project from initiation through audit readiness.
- **Provided cross-functional leadership** as Chair of the Management Review Team, facilitating executive-level reviews on quality, risk, and customer satisfaction.
- **Supported strategic growth** by estimating effort for 50+ features across contract proposals, contributing to competitive positioning and bid readiness.
- **Tech:** WPF, MVVM Light, Prism, .NET 4.7 (VB.NET), Entity Framework, SQL Server, DevExpress WPF controls, MS Test, Moq, and TFS 2015.

Team Leader | Daxor Corporation (Oak Ridge, TN) | Sep 2008–Nov 2015

- Promoted from Software Engineer (2008) to Senior Software Engineer (2011) to Team Lead (2012).
- **Led development and delivery across multiple diagnostic and hardware-integration projects**, serving as team lead and architect for major releases of the Blood Volume Analysis (BVA) product and end-of-life hardware migration efforts.
- **Improved architectural quality and system clarity**, conducting deep dives into legacy code, documenting complex workflows, remediating design flaws, and championing domain-driven design principles.
- **Elevated engineering capability** by mentoring developers, enabling junior team members to lead internal projects, and promoting a strong peer-review culture to improve code quality and reduce risk.
- **Established a structured software development process**, adapting Scrum/Kanban, defining leader responsibilities, and introducing a maintainable internal wiki to capture “tribal knowledge” and improve team collaboration.
- **Designed and executed critical systems and tools**, including an identity-verification algorithm for radiological components, automatic outlier-exclusion logic using regression techniques, and prototypes for alerting, amputee workflows, and order-history capabilities.
- **Strengthened deployment and support operations** by creating deployment workflows for manufacturing and field upgrades, and by designing training and update tools for major customers.
- **Enhanced cross-functional alignment**, serving as the communication hub across engineering, QA, support, product, security, and management, and leading on-site beta testing with major clients to validate releases and gather improvements.
- **Led hardware-integration initiatives**, collaborating with vendors and internal engineers to build interfaces for new MCA hardware, identifying and correcting numerous architectural issues, and enabling further vendor expansion and testing automation.
- **Tech:** WPF, .NET 4.0 (C#), SQL Server Express, WCF, domain-driven design (DDD), Telerik WPF, MS Test, NSubstitute, SQL Source Control, Mercurial, Jenkins, Jira; C++ (interop)

Education

- **M.S. in Computer Science**, University of Tennessee – Knoxville
- **B.S. in Computer Science** and **B.A. in Music**, Furman University – Greenville, SC

Certifications

- Security+ (SY0-701); since 2016, exp. 2029

Continuous Learning

- *Enshittification* (Doctorow, 2026)
- *Co-Adapt: Building Habits to Thrive in the Age of AI* (Wallace et al., 2026)
- *Vibe Coding* (Kim and Yegge, 2025)
- *AI Engineering: Building Application with Foundation Models* (Huyen, 2025)
- Speaker at tech conferences and lunch & learns; panel and podcast guest
- Facilitator for a community book club (2019-2021)