Tyler Caffelle

Security-conscious and results-driven application developer and learning tech leader with 10+ years of experience designing scalable, secure software in AWS cloud environments. Proven ability to deliver Python and JavaScript-based web applications, integrate RESTful APIs, and align development with organizational and compliance goals in fast-paced, agile environments.

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EXPERIENCE

Illuminate–Boston, MA– *2014-2025*

Head of Development, Senior Learning Technology Manager

- Architected and executed cross-departmental digital transformation strategies, reducing turnaround times by 40% and increasing operational efficiency through automation and platform consolidation.
- Partnered with executive leadership to align technical initiatives with business objectives, including infrastructure modernization, content digitization, and scalable process improvements.
- Championed agile methodologies and led programs through ambiguous, fast-paced environments, facilitating organizational adoption of cloud-based tools and collaborative workflows.
- Designed and maintained secure web applications using Python (Flask) and Vue.js, ensuring compliance with internal data governance standards.
- Integrated RESTful APIs and backend services into custom LMS platforms, improving client content access efficiency by 50%.
- Deployed solutions across AWS infrastructure (EC2, S3, RDS), maintaining 99.9% uptime while managing cost and scalability.

Learning Technology Manager

- Managed digital initiatives across multiple systems (LMS, CMS, automation pipelines), guiding change efforts and rolling out internal development platforms that significantly cut vendor costs.
- Developed the PI Explorer initiative—an internal product that scaled globally to over 200 deployments—setting new standards for digital product integration and stakeholder collaboration.

EDUCATION

New England Institute of Technology, RI—*Bachelor of Science in Game Development and Simulation Programming Technology—2009-2012*

SKILLS

Digital Strategy & Transformation: Change Management, Agile/Lean Practices, Digital Roadmaps, OKRs

Technical Toolkit: Python, Flask, Vue, Adapt Framework, AWS, Jira, Confluence, Git, SharePoint, Microsoft 365, Tableau (basic), SCORM/xAPI standards

Leadership & Communication: Executive Collaboration, Stakeholder Engagement, Mentorship, Organizational Alignment

Tools & Platforms: Digital Workflows, CMS/LMS Systems, Learning Platforms, Slack, Miro, Zoom

AWARDS

LTEN Excellence Award Winner (2016, 2022)

LTEN Excellence Award Finalist (2019, 2020, 2021)