

Ernest E. Teem III

Senior Site Reliability Engineer | AI Tooling Engineer | Ansible/AWX Automation Engineer

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PROFESSIONAL SUMMARY

Senior Site Reliability Engineer and AI tooling engineer with deep experience building automation, operating large-scale Linux environments, improving reliability, and delivering secure platform software. Strong background across DevOps, SRE, Ansible Automation Platform, AWX, Ansible playbooks, cloud services, container platforms, observability, AI agent tooling, guardrails, MCP tools, and RAG-enabled workflows. Known for turning repetitive operational and engineering work into reliable, production-focused automation.

CORE STRENGTHS

AI Engineering: AI agent tooling, guardrails, MCP tools/servers, RAG workflows, evaluation-oriented automation

Automation Platforms: Ansible, AWX, Ansible Automation Platform, playbooks, roles, inventories, job templates, surveys, credentials, RBAC, workflow templates, puppet.

Linux Infrastructure: large-scale Linux administration, Apache/Nginx, MTAs, BIND, LVM, kernel modules, SSH, package management

SRE / DevOps: CI/CD, incident response, automation frameworks, reliability engineering, deployment workflows, configuration management

Cloud / Containers: AWS EC2, S3, Lambda, ECS, Fargate, Route 53, SQS; Docker, Docker Swarm, Kubernetes, HAProxy, Nginx

Programming / Scripting: Go, Python, Bash, Perl, JavaScript, Node.js, PHP, Java, C/C++; observability and security tooling with Splunk, ELK, Prometheus, Nagios, and Vault

PROFESSIONAL EXPERIENCE

Aivato | 2026 - Present

Senior Software Engineer, AI Agent Tooling

- Built production code for AI-agent workflows, including tool execution, guardrails, MCP integrations, and RAG-backed retrieval patterns.
- Used Ansible and AWX-style automation patterns to standardize service setup, repeatable deployments, environment configuration, and operational runbooks for internal tools.
- Developed DeltaManager, a harness comparison tool for analyzing engineering changes, compare reports, 3DXML parsing, and CATIA-assisted workflows.
- Delivered KBL Creator and Ldorado-XD conversion tooling for harness engineering workflows, including Ldorado-to-Capital XC migration support.
- Implemented Aivato product capabilities including compare reporting, QA checks, parts and cost databases, lenses, one-click workflows, harness colors, export formats, 2D views, PDF-to-BOM, and wire tracing.
- Deployed internal Aivato and DeltaManager services to shared VM environments and set up Forgejo-backed source-control integration for team delivery.

Credit Acceptance | Southfield, MI | 2017 - Apr 2026

Senior Site Reliability Engineer

- Built an automation framework that enabled Splunk to trigger operational remediation and workflow actions.
- Built and maintained Ansible/AWX automation for Linux operations, including playbooks, reusable roles, inventories, job templates, surveys, credentials, and controlled self-service workflows.
- Integrated Ansible Automation Platform-style workflows with monitoring and incident response paths so common remediation tasks could run consistently with auditability and guardrails.
- Engineered automated Oracle installation processes to improve consistency and reduce manual deployment effort.
- Automated server configuration, package management, service changes, and repeatable maintenance tasks across large Linux estates using Ansible-driven execution patterns.
- Developed a Vault-integrated credential rotation tool for daily password changes and secure secret storage.

- Designed and implemented an AWS-based SFTP solution for dealer inventory workflows.
- Re-architected legacy SFTP infrastructure into a containerized platform to improve maintainability and deployment consistency.

Credit Acceptance | Southfield, MI | 2016 - 2017

Senior Linux Systems Administrator

- Automated on-call changeover processes to reduce coordination overhead and operational risk.
- Automated Caché database refresh workflows to improve repeatability and turnaround time.
- Built a Go-based server inventory tool using vSphere data as the source of truth.
- Created monitoring and response automation to detect and react to server reboots.

TEKsystems / Sears | Troy, MI | 2015 - 2016

Linux Systems Engineer, Contractor

- Created an email archiving system using Hadoop-backed storage and Linux services.
- Managed VM host environments using KVM and virsh.
- Designed system layout and implementation planning for a Kolab platform upgrade.
- Built bridged networking configurations to support VM and LAN connectivity requirements.

Easy Online Solutions | Southfield, MI | 2012 - 2015

Linux Systems Administrator / Engineer

- Managed approximately 2,000 mixed bare-metal and virtual Linux servers across client environments.
- Built a web-based control panel to simplify client operations and service management.
- Wrote Perl automation to convert Apache virtual host configurations into Nginx configuration.
- Developed internal task-tracking tooling and backup-management automation for Red Hat systems using BackupPC.
- Supported client migrations, including configuration review, data transfer, and hosting environment setup.

ITT Technical Institute | Dearborn, MI | 2009 - 2012

System Support Technician

- Managed a fiber-optic WAN upgrade project and coordinated related router, switch, and server upgrades under time-sensitive conditions.
- Built a Red Hat Linux-based helpdesk system in Perl to improve technical support intake and tracking.
- Hired, coached, and supervised up to five lab technicians while overseeing daily technical operations.
- Created utilities to automate lab operations, imaging workflows, and recovery tasks.
- Designed custom Linux boot media to streamline data recovery and support workflows.

ADDITIONAL TECHNICAL INTERESTS

Raspberry Pi, home automation, Android applications, Alexa Skills, IoT integrations, and custom infrastructure tooling.