

Robert Rothermel

Azure DevOps & Platform Engineer

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PROFESSIONAL SUMMARY

Azure DevOps / platform engineer with five years of production experience across **on-premises deployment and Azure cloud infrastructure for regulated, compliance-driven SaaS**. Led an **on-premises datacenter → Azure lift-and-shift** as program owner; built the Azure DevOps release pipelines and observability that took deployments from **~2 hours of manual deploy-and-verify to ~20 minutes**; and **drove the company's SOC 2 program** end to end. Hands-on with **Infrastructure-as-Code (Bicep, Terraform, Pulumi), AKS, private hub-and-spoke networking, and policy-as-code**. **Microsoft Certified: Azure Administrator Associate (AZ-104)**, with **AZ-400 (DevOps Engineer Expert path)** in progress. Specialty: compliance-grounded pipelines and disconnected/remote-site deployments in regulated environments.

CERTIFICATIONS & CONTINUING DEVELOPMENT

- **Microsoft Certified: Azure Administrator Associate (AZ-104)** — certified June 2026 · [verify credential](#)
- **Microsoft Certified: DevOps Engineer Expert (AZ-400)** — in progress; authored a 600-question study bank from the official Microsoft Learn path.
- **HashiCorp Certified: Terraform Associate** — in preparation; hands-on state / drift / module-refactor lab built.
- **Recent hands-on engineering (2024-2026)** — a clean-room AKS node-CVE gated-remediation pipeline (Azure DevOps, Bicep, a fail-closed App Insights/KQL telemetry gate, PDB-protected promotion) with each stage mapped to a SOC 2 control (CC7.1, CC8.1) and rigor deviations logged as risk-acceptance; a Pulumi private hub-and-spoke Azure landing-zone design; and a Terraform state/drift/module-refactor lab. Clean-room reference implementations; repositories available on request.

TECHNICAL SKILLS

Cloud & Azure: AKS · App Service · Front Door (WAF) · VNet & Private Endpoints · Azure SQL · Azure DevOps · Entra ID (Azure AD) · Defender for Cloud · Azure Monitor / App Insights / Log Analytics / KQL · Key Vault

Infrastructure as Code: Bicep · Terraform · Pulumi (C#) · ARM · policy-as-code (OPA/Rego, CrossGuard)

CI/CD & DevOps: Azure DevOps Pipelines · GitHub Actions · Git / branch policies / PR workflows · automated & regression testing · canary & blue/green deployment · Docker / Linux containers

Languages & Scripting: C# / .NET · PowerShell · Python · Bash · T-SQL · KQL

Security & Compliance: SOC 2 (Trust Services Criteria) · GRC automation (Sprinto) · Azure AD Conditional Access / MFA · RBAC & least privilege · Snyk (SCA) · TLS hardening · change management

Data & Observability: SQL Server (Always-On HA, Extended Events) · Datadog RUM / log management · Application Insights

PROFESSIONAL EXPERIENCE

DevOps Engineer — Savance, LLC

Commerce, MI · November 2019 – July 2023

Sole DevOps / platform engineer — owned the Azure migration, CI/CD, the SOC 2 program, and product integrations end to end.

- **Led the on-premises datacenter → Azure lift-and-shift** as program owner: authored the migration design, stood up the App Service + Azure SQL staging environment, ran a 20-week migration cadence, chose Azure Front Door with a built-in WAF policy over Azure Firewall, and executed production cutovers (web platform, hosted helpdesk) with monitoring and validation — keeping on-prem access-control hardware live throughout the hybrid transition.
- **Solved the hard Azure SQL migration blockers:** diagnosed a query-optimizer parallelism regression (**20 minutes → sub-second** via index and stored-procedure rework) and re-engineered legacy OLE-Automation encryption stored procedures to native symmetric encryption, which Azure SQL DB required.
- **Built and operated the Microsoft-stack CI/CD pipeline** in Azure DevOps, cutting production releases from **~2 hours to ~20 minutes**; built branch-linked release pipelines that auto-deploy to Test/Staging App Services on commit; and served as sole Azure DevOps administrator — org/subscription linking, Visual Studio Subscription provisioning, branch policies, and access levels.
- **Drove the company's SOC 2 program** as owner: hosted the internal audits and rolled out the GRC automation platform (Sprinto) company-wide; implemented organization-wide MFA and Azure AD Conditional Access policies, least-privilege RBAC with periodic access reviews, Snyk code-vulnerability scanning tracked to Jira, and TLS 1.2 hardening; drove the PCI decision to stop storing cardholder data; and coordinated the external auditor (Armanino, targeting Type II). (Type II

attestation stalled on the organization's device-management / BYOD enforcement — a management decision outside engineering's control.)

- **Shipped software, not just operations:** led the FedCheck background-check database + API integration; architected EIOBoardConnector, an access-control event-ingest service deployable as a Windows service or Linux/Docker container; drove the Angular 14 modernization of multiple web apps; and hand-coded Kiosk Ethernet/PoE relay support in C#.
- **Owned the partner hardware & access-control integration portfolio** — Brivo OnAir, Kantech, C-Cure 9000, Lenel/OnGuard, Genetec, AMAG, plus hardware SDKs (Gemalto, DYMO, RFIdeas, Salto, Infinias, DFRobot) — including a reusable plug-and-play USB device library stable across sleep/restart/port changes on 70+ mustering tablets, and automated kiosk provisioning in PowerShell (~30 min → ~3 min/unit).
- **Stood up platform observability** (Datadog RUM / log management, Application Insights, App Service auto-heal) and coordinated the offshore (Enosis) development team as sole DevOps gatekeeper — access provisioning, sprint ceremonies, QA accountability, and a pre-release demo process — while participating in hiring.

Software Support / Implementation Engineer — Savance, LLC

Commerce, MI · August 2018 - November 2019

- Primary technical contact for new-customer rollouts and administrator onboarding — deployed and configured Savance's on-premises server software into customer production environments (IIS roles/features, application pools, multi-site hosting) and resolved recurring issues at the root across IIS, SQL Server, and Windows.
- Led a **SQL Server Always-On availability-group** upgrade/migration (load testing, QoS, Extended Events baselining; tuned million-row tables); built SSRS reporting; authored 40+ knowledge-base articles that cut repeat support tickets.

Tool & Die Setter — Eclipse Mold, Inc.

Clinton Township, MI · 2007 - 2011

- Configured and ran 200–500-ton injection-molding machines; PLC end-of-arm tooling; optimized runtime settings for low scrap. (Firsthand experience of industrial and manufacturing operating environments.)

EDUCATION

- **M.S., Information Technology** (focus area: Information Systems Management) — Arizona State University, Tempe, AZ (2021–2023)
- **B.S., Information Technology** — Arizona State University, Tempe, AZ (2018–2021)

Authorized to work in the US for any employer. · Open to remote and relocation. · Spanish — intermediate.