Tylor Mayfield

Senior Technical Engineer

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Professional Summary

Versatile Senior Technical Engineer with 8+ years of experience bridging QA Automation, DevOps, and System Integration. Proven track record of optimizing complex financial and institutional workflows through CI/CD pipelines, automated regression suites, and robust data integration strategies. Expert in aligning technical solutions with business goals, from enforcing HIPAA/SOC II compliance to designing institutional dashboards. Skilled in modern toolchains including Cypress, Terraform, Azure DevOps, and React Native.

Technical Skills

Automation & Testing	Cypress, Playwright, Selenium, Testing Library, k6, JMeter, Puppeteer, Postman
CI/CD & DevOps	GitHub Actions, Azure DevOps, Terraform, Docker, Kubernetes, Jenkins, AWS
Data & Analytics	Microsoft Power BI, Argos, SQL Server, MongoDB, ETL Processes, MS Access
Languages	TypeScript, JavaScript, Java, PHP, T-SQL, Bash, PowerShell
Frameworks	React, React Native, Node.js, Express, .NET, Spring, Laravel, Vue
Cloud & Infra	Azure, AWS, VMware, CentOS, Debian, Windows Server
Compliance	SOC II, HIPAA, PCI, DAST, SAST
Methodologies	Agile, Scrum, Kanban, SDLC, Stakeholder Management, Requirement Analysis

Experience

Oct 2025–Present

System Integration Analyst, *Colby-Sawyer College*, New London, NH
- Develop and maintain internal data integration processes to ensure seamless data exchange between core business systems.
- Design and manage institutional reports and dashboards using Power BI and Argos to measure KPIs for senior leadership.
- Create ad-hoc SQL queries and utilize MS Access for complex data extraction, analysis, and data integrity validation.
- Analyze business requirements to troubleshoot system issues, streamline workflows, and implement technical solutions for data sharing.
- Coordinate with vendors and IT staff to maintain system documentation, data dictionaries, and visual models using Visio and LucidChart.

Dec 2024–Oct 2025

IT Coordinator, *Lake Sunapee VNA & Hospice*
- Enforced HIPAA compliance and mitigated organizational risk through rigorous security audits and policy enforcement.
- Managed IT lifecycle and infrastructure for the organization, ensuring data integrity through automated backups and precise asset tracking.
- Optimized technical support operations, resolving cross-departmental service tickets to maintain strict Service Level Agreements (SLAs).
- Managed third-party vendor relationships for procurement and licensing, ensuring cost-effectiveness and contract adherence.
- Authored and implemented comprehensive IT security policies to align operations with privacy standards.

Dec 2022–Dec 2024	**Automation Engineer III**, *LoanStreet Inc.*

- Developed Cypress-based automated test suites for end-to-end and API testing of React applications.
- Integrated test execution into CI/CD pipelines using GitHub Actions for continuous testing and deployment.
- Implemented parallelized regression testing strategies to accelerate feedback loops and significantly increase test coverage.
- Created ephemeral test environments using Terraform and container orchestration (Docker/K8s) for scalable automated testing.
- Collaborated across React/TypeScript frontend and Java/Kotlin backend teams to enhance testability.

Aug 2019–Dec 2022	**Platform Engineer II**, *DealerPolicy*

- Accelerated release velocity by building robust test automation pipelines using Azure DevOps and Terraform.
- Architected secure, containerized test environments with RBAC to ensure isolation and data safety.
- Achieved SOC II and PCI alignment by executing Veracode DAST/SAST security scans and remediation.
- Enhanced system stability under load by identifying bottlenecks through rigorous k6 performance testing.
- Integrated QA strategies directly into the SDLC during Agile planning to shift quality left and improve code delivery.

Aug 2016–Aug 2019	**Systems Engineer**, *MyWebGrocer*

- Engineered hybrid infrastructure (Azure/On-prem) using Terraform and Ansible to ensure high availability.
- Reduced manual operational toil by automating administration tasks via PowerShell, Bash, and Rundeck.
- Maintained 99.9% system uptime (SLA) by implementing full-stack monitoring (Grafana, Prometheus) and exercising Disaster Recovery (DR) policies.
- Administered complex database and messaging ecosystems (MS-SQL, Couchbase, RabbitMQ) to support high-throughput applications.
- Served as backup DBA and incident response lead, handling technical escalations to minimize downtime.

Education

Jan 2012–Jan 2016	**Bachelors in Computer Science**, *University of Vermont*, Burlington, VT