

Bailey Fitchett

Senior DevOps Engineer | Platform Engineer | Azure | Terraform | Azure DevOps | GitHub

New York, NY | 934-500-4857 | bailey.n.fitchett@gmail.com | linkedin.com/in/bailey-n-f/

Portfolio: www.baileyfitchett.com | GitHub: github.com/baileynyx

PROFESSIONAL SUMMARY

Senior DevOps and Platform Engineer with 20+ years of experience building, modernizing, and operating enterprise delivery platforms across Microsoft Azure, hybrid cloud, and on-premises environments. Deep background in Terraform, Azure Landing Zones, Infrastructure as Code, Azure DevOps, GitHub, GitHub Actions, GitHub Advanced Security, CI/CD, GitOps, automation, configuration management, observability, disaster recovery, performance engineering, and cloud migration. Known for turning manual, unstable, or fragmented delivery systems into repeatable, governed, developer-friendly platforms while mentoring engineers and partnering across infrastructure, application, security, and business teams.

SELECTED PLATFORM ENGINEERING IMPACT

- Led enterprise migration to Azure, coordinating planning and execution for 6 applications, approximately 18 to 21 services, and 4 to 6 environments, with 100% success against target release dates.
- Reduced deployment errors by approximately 95% through standardized Linux configuration, middleware installation, security baselines, yum repositories, and Puppet-driven provisioning workflows.
- Reduced infrastructure provisioning time by more than 50% by automating VM provisioning, Puppet agent installation, certificate management, node classification, and initial configuration runs.
- Delivered a 40% application response time improvement within weeks by leading engineering work on technical debt, memory leaks, architecture anti-patterns, and platform stability.

TECHNICAL SKILLS

Azure Platform Engineering: Azure Landing Zones, App Services, VMs, VNets, Private Endpoints, Key Vault, Storage Accounts, Azure SQL, SQL Managed Instance, Azure Functions, Microsoft Entra ID (Azure AD), Logic Apps, Azure Monitor, Log Analytics, Application Insights

Terraform & Infrastructure as Code: Terraform, ARM Templates, Python, PowerShell, Bash, Puppet Enterprise

Azure DevOps, GitHub & DevSecOps: Azure DevOps, GitHub, GitHub Actions, GitHub Advanced Security (GHAS), GitOps, Git, repository migrations, pipeline architecture, release automation, code scanning

AI & Agentic Automation: GitHub-based agentic solutions, AI-assisted developer-workflow automation, CI/CD automation

Supporting Platforms & Observability: Linux, Windows Server, VMware/vCenter, Dynatrace, Grafana

CERTIFICATIONS

GitHub Foundations | AZ-900: Microsoft Azure Fundamentals | DP-900: Microsoft Azure Data Fundamentals | AI-900: Microsoft Azure AI Fundamentals

PROFESSIONAL EXPERIENCE

Senior DevOps Consultant | Xebia | 2023 - 2026

- Designed, developed, and implemented Terraform automation solutions to standardize infrastructure provisioning and improve delivery consistency.
- Designed and automated Azure Landing Zone deployments using Terraform, enabling standardized and repeatable cloud environment provisioning.
- Led migrations from Team Foundation Server (TFS) to GitHub and Azure DevOps, modernizing source control and software delivery workflows.
- Led Azure DevOps-to-GitHub migrations, transitioning repositories and development workflows to the GitHub platform.
- Migrated Bitbucket repositories and development workflows to GitHub.
- Implemented GitHub Advanced Security (GHAS) to integrate security controls into developer workflows and strengthen application security.
- Developed agentic solutions within GitHub to automate and enhance software development workflows.

Senior DevOps / Platform Engineering Consultant | Cognizant | 2021 - 2023

Lead DevOps modernization, platform automation, cloud migration, CI/CD enablement, and infrastructure delivery improvements for enterprise environments.

- Led modernization efforts moving on-premises DevOps processes into cloud-based delivery models, improving release repeatability, deployment visibility, and infrastructure consistency.
- Designed and implemented CI/CD practices across engineering teams, including pipeline strategy, Git branching models, release workflows, deployment automation, and developer enablement patterns.
- Provided hands-on DevOps architecture guidance and technical training for teams adopting cloud delivery, Infrastructure as Code, and automated deployment practices.

- Designed and developed automation scripts across multiple languages to support cloud resource provisioning, deployment workflows, configuration management, and operational tasks.
- Led and mentored a remote team of 5 technical resources, coordinating delivery efforts and supporting technical execution across distributed workstreams.

Software Architect II / Cloud Modernization Lead | IntegraConnect | 2016 - 2021

Served as senior technical architect for healthcare software platforms spanning Azure, on-premises infrastructure, CI/CD, automation, performance engineering, disaster recovery, and hybrid operations.

- Led enterprise migration to Azure, coordinating planning and execution for 6 applications, approximately 18 to 21 services, and 4 to 6 environments, with 100% success against target release dates.
- Migrated and modernized Azure services including App Services, VMs, VNets, Key Vaults, Storage Accounts, Azure SQL, SQL Managed Instance, Private Endpoints, Azure Functions, Azure AD, Logic Apps, gateways, Log Analytics, and application monitoring.
- Implemented Terraform-based infrastructure automation to standardize provisioning, configuration, and environment consistency across Azure cloud services and enterprise platforms.
- Built an automation ecosystem using Terraform, Puppet, ARM Templates, and GitOps practices to reduce manual infrastructure work and strengthen configuration management.
- Implemented Azure DevOps and Jenkins-based CI/CD workflows integrating source control, automated testing, code scanning, release automation, and GitOps delivery practices.
- Designed, tested, documented, and implemented disaster recovery procedures for cloud-hosted applications, including RTO/RPO-aligned recovery planning and readiness validation.
- Deployed and configured a self-hosted Dynatrace Managed Cluster in Azure, including network security, traffic control, synthetic transactions, dashboards, alerting, and APM integration.

DevOps Engineer Lead | Bottomline Technologies | 2015 - 2016

Led Linux infrastructure automation and self-service provisioning initiatives for financial software environments using CloudBolt, VMware, Puppet, Python, Git, Jenkins, Infoblox, and enterprise security tooling.

- Built CloudBolt-based self-service provisioning workflows for Linux infrastructure across approximately 10 business lines, 20 environments, and 30 to 50 managed nodes.
- Reduced infrastructure provisioning time by more than 50% by automating VM provisioning, Puppet agent installation, certificate management, node classification, and initial configuration runs.
- Reduced deployment errors by approximately 95% by standardizing Linux server configuration, middleware installation, security baselines, yum repositories, and Puppet-driven provisioning workflows.
- Developed Python integrations for CloudBolt, Puppet, and Infoblox to automate CNAME/FQDN creation, IP allocation, Puppet certificate handling, node classification, and initial Puppet runs.

Automation Engineer | FICO | 2014 - 2015

- Automated Linux server provisioning, middleware installation, and application deployment using Puppet, Salt, VMware, and Oracle VirtualBox.
- Created Vagrant-based development environments to support Puppet module development and team testing workflows.
- Configured and maintained VCenter, VMware templates, load balancer settings, and virtualized infrastructure standards.
- Executed performance testing and monitoring workflows using LoadRunner, AppDynamics, New Relic, and Nagios.

Software Engineer II / Team Lead | Infinite Campus | 2009 - 2014

- Improved application search performance by 50% within the first year by reducing page load time, query execution time, and customer complaints through SQL optimization and application-level tuning.
- Specialized in database engineering and application performance across Java, JavaScript, TypeScript, Python, MySQL, MSSQL, and web application platforms.
- Created and maintained Dynatrace dashboards, triggers, alerts, and automated reports for development and QA teams to track application performance across build iterations.

EARLIER EXPERIENCE

- **Systems Administrator Lead** | Infinite Campus | January 2007 - January 2009
- **Data Conversion Analyst** | Confidential K-12 Infinite Campus | January 2006 - January 2007
- **IT Consultant / Operations Manager** | Robert Half Technology | January 2005 - January 2006
- **Tech Support Lead / Primary Reseller** | Comcash | January 2003 - January 2005