

# James Bernardi

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**Portfolio:** <https://jamesbernardi.com> | **GitHub:** <https://github.com/jamesbernardi>

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## ***Professional Certifications***

- AWS Certified Cloud Practitioner
  - AWS Certified Solutions Architect – Associate (Validation # VNJ9FJVBYFB1Q0KV)
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## **Technical Skills**

- Amazon Web Services (AWS): EC2, S3, ECS, EKS, Fargate, CloudFront, CloudWatch, Route 53, RDS, IAM, VPC, Inspector, Cost Explorer, CloudTrail
  - Google Cloud Platform (GCP): GKE, Compute Engine, Cloud Storage, Cloud SQL
  - Cloudflare: CDN, DNS, SSL, Caching, Workers, Security, WAF
  - Okta: SSO, Application Security, Permissions Management
  - Terraform: Modules, Infrastructure Automation, Terraform Cloud
  - Ansible, SaltStack, Puppet, Helm
  - BASH, Python, YAML, JSON
  - Kubernetes, Docker, Colima
  - BuildKite, Jenkins, Harness.io, GitHub Actions, GitLab, Travis CI, Circle CI, Argo CD
  - MySQL, PostgreSQL, MongoDB, SQLite
  - Apache, Nginx, Node.js, PHP, Ruby, traefik
  - 3rd party vendors: Pantheon, Vercel, WPEngine, Platform.sh
  - NewRelic, DataDog, Splunk, ELK, Dynatrace, Grafana, Prometheus, PagerDuty, XMatters
  - Linux (RedHat, CentOS, Debian, Ubuntu), VMWare, Network Security, Firewalls, SAN, NAS
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## **Professional Experience**

**Experis** — Milwaukee, WI

***Contract Site Reliability Engineer with The Federal Reserve Bank of Dallas (Remote)***

December 2024 – Present

- Required Tier 3 Background Check and Security Clearance completed December 2024
- Collaborating with development teams to modernize banking applications within the AWS GOV Cloud infrastructure.
- Designing and enhancing application monitoring and alerting systems to support business needs.
- Operating under strict security and non-disclosure regulations; project-specific details are confidential.

**Forum One Communications** — Arlington, VA

***Principal Site Reliability Engineer (Remote)***



December 2018 – May 2024

- Managed client web hosting operations across 50+ AWS accounts, ensuring availability, optimized performance, and enhanced cost efficiency.
- Transitioned from CloudFormation to Terraform, streamlining infrastructure as code (IaC) management and increasing deployment speeds.
- Refined SaltStack configurations, reducing deployment errors and increasing system performance and scalability.
- Established daily stand-ups and collaborative working sessions, increasing team productivity and knowledge sharing.
- Reduced deployment times through optimized CI/CD workflows with BuildKite and Terraform.
- Led containerization initiatives with Kubernetes and ECS, enhancing reliability, scalability, and efficiency of application deployments.
- Strengthened on-call policies and incident response protocols, leading to a 57% reduction in service outages.
- Implemented government-compliant infrastructure hardening to meet NIST security standards.
- Optimized AWS costs by leveraging third-party tools for reserved instance purchasing, service optimization and budget monitoring.
- Managed high-profile client websites (e.g., peacecorps.gov, case.org, piie.com, and 30+ sites for the Bill & Melinda Gates Foundation), driving improved performance, uptime, and client satisfaction.

**Beachbody** — Santa Monica, CA

**Senior Systems Engineer, Linux (On Site)**

December 2015 – July 2018

- Deployed and maintained a fleet of 1000+ Linux servers in a hybrid VMWare and AWS environment.
- Automated server provisioning and configuration management with Puppet and Ansible, decreasing manual intervention and improving system deployment automation.
- Architected secure CI/CD pipelines, collaborating with Development teams to integrate GitHub, Jenkins and Harness.io for cloud application deployments.
- Led AWS migration projects to containers using AWS ECS and Fargate.
- Mentored junior engineers, enhancing team skill sets and increasing technical capacity.
- Managed over 30 AWS Accounts and attached services: Okta, Cloudhealth, etc.
- Collaborated with Oracle development teams to support Oracle Database and Identity Management (IDM) solutions.
- Oversaw mission-critical infrastructure for high-traffic fitness platforms, including beachbody.com, beachbodyondemand.com, and mychallengetracker.com.

**MCD Partners** — New York City, NY

**Information Technology Manager (On Site)**

August 2007 – July 2015

- Established CI/CD pipelines for efficient deployments through automation with custom scripts and Git.
- Migrated key services to cloud platforms, increasing service availability and improving operational scalability.
- Supervised IT support team, managing daily tasks and projects
- Negotiated vendor contracts, securing cost savings and alignment with business needs.
- Designed and implemented network infrastructure improvements, enhancing security posture



and facilitating cross-country connectivity.

- Led cloud and SaaS migrations, moving critical business applications from on-premises to cloud solutions (e.g., Exchange to Gmail, Bugzilla to JIRA Cloud, MediaWiki to Confluence), significantly improving uptime, availability and customer satisfaction.
- Improved developer workflows by standardizing servers and services. Providing a git workflow with GitLab.
- Standardized Workstation configurations with approved software lists and disk images to streamline deploying new workstations.
- Connected remote offices with VPN tunnels and synced services to provide seamless integration for workstations enhancing collaboration for all teams
- Created an Onsite “Usability Lab” for website testing in the New York and Chicago offices. Allowing Designers and Developers to test websites onsite with real users and a live stream for remote viewing.
- Collaborated on high-profile client projects, including Discover Financial Services, Samsung, AT&T, E-Trade, and TIAA.
- Migrated from an unmanaged haphazard small office IT dept to a modern robust IT team with solid solutions and reliable technology.

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## **Education**

Bachelor of Arts in American History - The Ohio State University