

Justin Gorny

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Senior Platform / Infrastructure Engineer | AWS • Kubernetes • Terraform/OpenTofu • GitOps • SRE

SUMMARY

Senior Platform and Infrastructure Engineer with 8+ years of experience designing, scaling, and securing cloud-native platforms on AWS. Specializes in Kubernetes/EKS, infrastructure as code, GitOps, observability, cloud governance, and developer platform engineering. Proven record reducing infrastructure cost, improving reliability, standardizing deployment workflows, and building secure internal platforms across startup, healthcare, and regulated environments.

CORE SKILLS

Cloud & Platform: AWS, EKS, Kubernetes, Docker, Platform Engineering, Developer Experience

Infrastructure as Code: Terraform, OpenTofu, Terragrunt, AWS CDK, reusable modules, policy-driven standards

GitOps & CI/CD: Argo CD, Flux CD, Helm, GitHub Actions, GitLab CI, deterministic build workflows

Reliability & Observability: Prometheus, Grafana, AlertManager, Thanos, OpenTelemetry, SLOs, incident visibility

Security & Governance: IAM, IRSA, SCPs, Kyverno, Teleport, Zero Trust Access, VPC endpoint policies, data perimeter controls

Data & Resilience: RDS PostgreSQL/MySQL, backup and disaster recovery, RTO/RPO planning

Automation: Python, Bash, infrastructure automation, workflow standardization

PROFESSIONAL EXPERIENCE

Senior Infrastructure Engineer | HeroDevs | Salt Lake City, UT | Remote

October 2025 – Present

- Own and evolve Kubernetes platform operations across multi-cluster EKS environments, using Argo CD, Helm, Terraform/OpenTofu, and GitOps to deliver consistent, secure, and reproducible application deployments.
- Reduced EC2/EKS and RDS spend through rightsizing, Spot adoption, Savings Plans, reserved instances, and storage optimization, including an approximately 84% year-over-year reduction in RDS spend.
- Built reusable Terraform/OpenTofu workflows for AWS, GitHub, and Artifactory, standardizing infrastructure provisioning, repository governance, package access, and team lifecycle management.
- Implemented policy-as-code and identity-aware access patterns using Kyverno, IAM/IRSA, Authentik, and Teleport to reduce static credential usage and strengthen platform security.
- Built reusable infrastructure-as-code workflows for multi-region secrets disaster recovery and led HeroDevs first GameDay simulation to validate recovery readiness.
- Improved platform reliability and incident visibility through SLO-driven observability, Prometheus, Grafana, AlertManager, billing visibility, registry metrics, and recurring platform automation.
- Built internal MCP tooling and supported AI/data platform initiatives across cost visibility, Redpanda eventing, Redshift integrations, and governed operational workflows.
- Partner with engineering teams to modernize deployment patterns, improve Kubernetes workload standards, and enable secure self-service infrastructure practices.

Lead Cloud Engineer | UPMC Enterprises | Pittsburgh, PA | Hybrid

March 2020 – October 2025

- Led cloud engineering across 80+ AWS accounts and 25+ startup initiatives, supporting healthcare, AI, analytics, and internal platform workloads.
- Managed and mentored a team of 3 engineers delivering cloud-native infrastructure, Kubernetes platforms, CI/CD systems, and secure AWS environments.
- Designed and enforced organization-wide security controls including SCPs, VPC endpoint policies, IAM guardrails, and data perimeter patterns for regulated healthcare environments.
- Led the MyUPMC migration from on-premises infrastructure to AWS using hub-and-spoke networking with Transit Gateway and VPN connectivity.
- Re-architected GitLab runners onto EKS, reducing self-hosted GitLab CI infrastructure spend by approximately 55% year-over-year.

- Introduced GitOps with Flux CD, improving deployment performance by approximately 350% and increasing consistency across Kubernetes environments.
- Implemented Kubernetes autoscaling with Karpenter and HPA, reducing EC2 spend by approximately 20% while improving workload elasticity.
- Designed disaster recovery architecture that reduced recovery time from more than 3 hours to approximately 30 minutes while maintaining less than 15-minute RPO for critical workloads.
- Drove enterprise Terraform adoption as a subject-matter expert by defining standards, reusable patterns, training, and implementation guidance.

Software Engineer | FedEx Services | Pittsburgh, PA | Hybrid

May 2019 – March 2020

- Built and maintained Java/Spring Boot applications deployed to Android-based field systems supporting logistics and operational workflows.
- Partnered with engineering teams to troubleshoot application issues, improve maintainability, and support production delivery processes.

CERTIFICATIONS

AWS Certified Solutions Architect – Professional | AWS Certified Solutions Architect – Associate | AWS Certified SysOps Administrator – Associate | AWS Certified AI Practitioner | AWS Certified Cloud Practitioner | HashiCorp Terraform Associate | Linux Foundation Kubernetes & Cloud Native Associate

EDUCATION

Graduate Certificate, Leadership & Organizational Change — Robert Morris University, 2025

B.S. Computer Engineering — Penn State University, 2019