Galen Ballew
Cloud Jedi

✉ galen.ballew@gmail.com   ◯ github.com/galenballew
📱 815. 451. 9290.   ⟨⟩ galenballew.fyi

EXPERIENCE

TransUnion
Cloud Architect
03/20 - 12/20

• **Technical Product Owner** and architect for Cloud Services Platform throughout *Project Rise*: replicate and scale the cloud platform built in 2018 and 2019 for **global rollout**, including Africa, India, Asia, and South America. Projected cost of **+$350M.** Technical Product Owner for **2 engineering teams** (3 architects and 11 engineers) within a release train of 14 teams with over 50 engineers total.

• Regularly presented to, communicated with, and built relationships with diverse stakeholders, **including non-technical and leadership.** Leveraged clear, simple writing to effectively **build consensus** by regularly publishing wiki articles and architecture digest.

• **Designed, published, and socialized solution architecture and technical requirements for account vending machine, scalable multi-account SSO federation, Kubernetes, IAM, automated deploytime and runtime compliance framework, and golden image pipeline.** Converted solution architecture into Features and worked closely with engineering to successfully implement.

• Created bespoke Linux Academy curriculum specific to roles within TransUnion. Made available to all IT employees.

• Developed standardized interview framework for cloud engineering candidates. **Successfully hired 3 architects and 5 engineers.**

• Selected for first **Project Rise Employee Spotlight**. Featured in company podcast about Project Rise sent to **10,000+ employees.**

Google
Technical Account Manager
06/19 - 02/20

• **Led program management** for enterprise customers and their tactical use of Google Professional Services. Coordinated concurrent workstreams of cross-functional teams. Managed project schedules and milestones, worked closely with engineers to identify risks. **Clearly communicated outcomes, risks, and next steps to technical and non-technical stakeholders.**

• Managed capacity planning, disaster recovery testing, and gameday tabletop exercises prior to Black Friday/Cyber Monday for **Fortune 50 retailer**. Personally staffed the war room throughout operations. Compared to 2018, comparable sales grew 17.2 percent with comparable **digital sales growth of 102 percent**. **Zero outages or service degradations** during Black Friday/Cyber Monday weekend.

• **Achieved all Google Cloud Platform certifications**. Exclusively recognized and selected by Coursera to participate in promotional film shoot due to achievements. Successfully lobbied to join Google engineering staff at KubeCon, including booths for GKE and Anthos.

TransUnion
Senior Cloud Engineer
Cloud Engineer
10/17 - 05/19

• Engineered greenfield AWS platform and scaled from **0 AWS accounts to 5 AWS accounts in 6 months.** First Cloud Engineer hire.

• Developed GitOps CI/CD pipeline using **BitBucket**, **Jenkins**, and **Bash**. All cloud infrastructure stored via **Git** as **CloudFormation IaC**.

• Implemented platform foundations, including least-privileged **IAM Roles, SSO, VPC, DNS, and VPN** for hybrid network connectivity.

• Developed comprehensive **Lambda automation framework** for account administration using **Python**.

• **Delivered 4 applications from inception to production**, including greenfield and migration. Consulted as AWS domain expert and guided AppDev through Enterprise Architecture review of solution architecture. Developed IaC, monitoring and alerting solutions, logging integrations, and dashboarding for **distributed systems in highly-secure environments** subject to regulatory compliance (e.g. SOC 2, ISO 27001, PCI DSS). Collaborated closely with Information Security throughout SDLC.

HERE Technolgies
Software Engineer - Intern
05/17 - 09/17

• Built serverless platform for **scalable machine learning** on **AWS**. Built **RESTful API** using **Swagger**, **API Gateway**, and **Lambda** with scale-to-zero **EC2** backend. Programmed **Python API wrapper** and published to private **Artifactory** as a package. **Used by 9 ML research teams** in 4 different offices across the globe in order to efficiently scale deep neural network training and testing, publish models, publish datasets, and publish standardized benchmarks. `

• Developed **Jenkins** pipelines for **CICD** of API wrapper and Lambda code.

CERTIFICATIONS

• AWS Solutions Architect - Professional
• HashiCorp Terraform Associate
• SAFe 4 Agilist
• Safe 4 DevOps Pracitioner
• Certified Kubernetes Administrator
• Certified Kubernetes vApplication Developer

• GCP Professional Cloud Architect
• GCP Professional Data Engineer
• GCP Professional Cloud Security Engineer
• GCP Professional Cloud Developer
• GCP Professional Network Engineer

EDUCATION

University of Illinois at Chicago

• Bachelor's of Science, Mathematics
• College of Architecture, Design, & the Arts Merit Scholarship winner
• Electronic Visualization Laboratory employee
• New Media Arts Laboratory researcher
• Mathematical Computation Laboratory researcher

"You can't change the way people think, all you can do is give them a tool, the use of which will change their thinking." - R. Buckminster Fuller