Brent M. Slater

Staff Platform Engineer / Data Platforms / Reliability / AI-Governed Systems

Raleigh, NC · Remote | brentmslater.com | linkedin.com/in/brentmslater | github.com/brentmslater

SUMMARY

Platform engineer with 10+ years across data engineering, cloud operations, and reliability. I build systems that prove they work—measured by uptime, throughput, cost, and auditability. Currently at **U.S. Bank** owning delivery for enterprise data platform modernization; previously directed North American cloud operations at **Anheuser-Busch InBev**.

$500K+	80%+	37%
annual savings via monitoring + incident response frameworks	reduction in manual validation via schema-driven DQ pipelines	MTTR reduction across enterprise-critical systems

EXPERIENCE

U.S. Bank — Site Reliability Engineering Manager
Sep 2021 – Present
Cary, NC (Remote)

- Own delivery for enterprise data platform modernization across 10+ systems and 4 environments—migration gating, release controls, UAT architecture, observability standards, and data quality automation
- Designed incident response frameworks and proactive monitoring, reducing `MTTR by 37%` and delivering `$500K+ annual savings`
- Led Hadoop → Azure Synapse migration of `50+ SOR datasets` and hundreds of ETL processes; designed UAT environment with schema-level separation (`$0 new licensing`), validated integrity across all datasets
- Implemented schema-driven data quality automation (Jenkins + Kubernetes), `80%+ reduction` in manual validation

Anheuser-Busch InBev — Director, Cloud Operations
Jun – Sep 2021
St. Louis, MO

- Led North American cloud operations—incident resolution, service requests, and infrastructure migrations to multi-cloud (AWS, Azure)
- Orchestrated cloud cost optimization, reducing hosting costs by `25%`; partnered with Microsoft to upskill `50+ engineers`

U.S. Bank — Cloud Solutions Architect
Jan 2020 – Jun 2021
St. Louis, MO

- Designed API solutions for the bank's largest revenue-generating unit, improving real-time data efficiency by `20%`
- Spearheaded enterprise Jenkins → GitLab transition; conducted cloud migration cost-benefit analysis securing `$2M in budgetary savings`

U.S. Bank — Data Engineering & Infrastructure Solutions Manager
Apr 2016 – Jan 2020
St. Louis, MO

- Managed data warehouse processing `~100,000 jobs/month` across a `~200TB ecosystem` with `95% on-time delivery` across 300+ projects
- Reduced ETL latency by `90%`; developed DATA-FORKLIFT—modular Python ETL framework supporting 6+ RDBMS platforms

Monsanto (now Bayer) — Application Support Analyst
Jan 2015 – Apr 2016
Creve Coeur, MO

- Supported `435` enterprise applications across `20,000+ users`; built ticket automation tool reducing creation time by `75%` and logging overhead from a team of 13 to 2

TECHNICAL SKILLS

LANGUAGES	Python · SQL · TypeScript · JavaScript · Swift · Java · Shell · PowerShell
CLOUD & DATA	AWS · Azure · Azure Synapse · GCP · Oracle · Netezza · PostgreSQL · DuckDB · Informatica
DEVOPS	Docker · Kubernetes · Terraform · Jenkins · GitLab CI/CD · Automic/AppWorx
AI & DSP	Claude API · Claude Code CLI · Praat / parselmouth · librosa · scipy
FRAMEWORKS	SwiftUI · React Native (Expo) · Next.js · FastAPI · Streamlit · n8n
PLATFORMS	Linux (RHEL, SUSE) · macOS · ServiceNow · Collibra · Jira

INNOVATION PORTFOLIO

Independent projects—designed, built, and maintained solo. Details at brentmslater.com

SHIPWRIGHT AI-Governed Ticket Execution

Deterministic code execution with policy gates + cryptographic audit trails (SHA-256); verified changesets with verification gates and audit logs

VOCAL-TOOLS DSP Analysis Pipeline

Hundreds of takes tracked across **10+ months**; **70+ metrics**/take via Praat/parselmouth + librosa/scipy. Four-tool analysis pipeline—built to compensate for perforated eardrum

REIGNIN AI Deliverable Enforcement

macOS menubar app enforcing daily deliverables across **7 repos**. Locked plans via Claude CLI + JSON Schema; tamper-evident audit trail (SHA-256 via CryptoKit). Append-only JSONL logging with automated verification

EDUCATION

M.S. Computer Science · 3.97 GPA
University of Illinois Springfield · 2019

B.A., Communication Studies (Corporate Communication Option)
Eastern Illinois University · 2013

CERTIFICATIONS

AWS Certified Solutions Architect (Associate)

IBM Certified Database Administrator

IBM Certified Database Architect

VOLUNTEER

Impartial, Inc. — Creative Director, Music   2025 – Present

Criminal justice advocacy nonprofit. Create and direct music for educational games raising awareness of wrongful convictions—working with university students from programs across the country.