JARED MAHOTIERE

Jared Mahotiere | Bear, DE | (302) 803-7673 | jmahotie@purdue.edu | linkedin.com/in/jared-mahotiere | github.com/jmahotiedu | https://jmahotiedu.github.io/

SUMMARY

Backend/platform engineer (Purdue '26) focused on shared data-platform reliability, Terraform multi-environment IaC, Python automation, and CI/CD governance; open-source contributor to Databricks CLI/SDK with fixes for auth precedence and config inheritance failure modes.

EDUCATION

Purdue University - B.S. Electrical Engineering Technology (Computer Engineering Technology)
Minor: Computer & IT | Certificate: Entrepreneurship & Innovation | Expected May 2026

LEADERSHIP & ORGANIZATIONS

Delta Tau Delta (Campus Chapter): DEI Chair | **National Society of Black Engineers (NSBE):** Member

SKILLS

Databricks tooling (CLI/SDK), auth/config governance, Python automation, Terraform (multi-env IaC/modules) | AWS (IAM, VPC, ECS, RDS, S3, MSK), SQL Server/QMOS, PostgreSQL, Redis | CI/CD (GitHub Actions), Linux shell, runbooks, observability (CloudWatch, Prometheus, Grafana)

EXPERIENCE

Nucor Corporation - Software/Automation Engineering Intern | Darlington, SC | May-Aug 2024 and May-Aug 2025

- Built automated reporting and alert systems using Quartz.NET with real-time email notifications for maintenance and quality events, reducing manual monitoring and accelerating response.
- Led system integration projects: scoped, specified, and coordinated implementation of new automation systems, ensuring seamless startup, cross-team adoption, and operational reliability.
- Managed and analyzed production data in SQL Server/QMOS databases; developed optimized queries and recommended new tables/columns to support process improvement.
- Collaborated with production teams and led project meetings; conducted comprehensive testing and validation with multi-disciplinary stakeholders while prioritizing deliverables and shipping on time with high safety and quality standards.

PROJECTS

Databricks Platform Tooling (Open Source) - Go, Python, Databricks CLI/SDK | Project Link

- Implemented Databricks CLI PR #4504 to fix auth-resolution precedence in bundle context so explicit host/profile inputs win for non-bundle commands, preventing wrong-environment execution; added regression tests and iterated the precedence model with maintainers after issue #4502 and a reported 1-hour troubleshooting incident.

IoT Streaming ETL Pipeline - Kafka, PySpark, Airflow, Great Expectations, Terraform | Project Link

- Built a 100+ events/sec streaming platform with checkpointed recovery, data-quality gates, and Prometheus/Grafana observability; provisioned AWS MSK/S3/VPC/ECR via reusable Terraform workflows and environment-safe deployment patterns.

workflow-orchestrator - TypeScript, Node.js, Redis Streams, PostgreSQL, AWS ECS | Project Link

- Implemented reliable DAG orchestration with idempotent retries, dead-letter handling, and durable task state; benchmarked 25/25 successful runs in 15.94s and operated ECS Fargate deployment with ALB/RDS/ElastiCache.

OPEN SOURCE CONTRIBUTIONS

databricks/cli (PR #4504) - Go, Auth Precedence | Project Link

- Implemented precedence fixes so explicit host/profile inputs are respected for non-bundle commands.

databricks/databricks-sdk-py (PR #1258) - Python, Config Introspection | Project Link

- Fixed Config subclass attribute discovery/caching regressions that impacted auth and profile resolution.

bloomberg/comdb2 (PR #5731) - Java, JDBC Metadata | Project Link

- Resolved metadata cursor-isolation behavior to prevent cross-query cursor bleed in JDBC client flows.