

Andrew Doss

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Senior Software Engineer who has helped launch two serverless, managed Postgres products from early-stage through GA — bit.io's serverless Postgres platform and Databricks' Lakebase OLTP product.

EXPERIENCE

Databricks

Senior Software Engineer

May 2026 – Current

Software Engineer IV

Jun 2023 – Apr 2026

- Integrated Neon's control plane into Databricks ingress, auth, and control plane systems to meet Databricks' enterprise security bar and unblock public preview/GA of Lakebase autoscaling.
- Led postmortem and remediation for a cascading, multi-hour control-plane outage impacting hundreds of customers; authored RCA and co-led team to fix concurrency, query, load shedding, and networking issues.
- Launched the first low-latency public ingress paths for SQL-over-HTTP and PostgreSQL into Databricks' networking platform, cutting data access latency from ~20ms to ~8ms with enterprise security controls intact.
- Built first Lakebase public-preview UI end-to-end — instance management, connection configuration, customer metrics, role management, and data catalog integration — used by >1.5k customers to manage >3k instances.
- Built a Databricks-native Scala implementation of the PostgREST API supporting MySQL and Postgres backends, enabling SQL-over-HTTP for customers with an OSS-API for transparent backend migration.

bit.io Inc.

Software Engineer, L5

Dec 2021 – May 2023

Data Scientist, L5

May 2021 – Nov 2021

- Built production controllers (gRPC/Go) and cron jobs (Python) to perform “automated DBA” activities for new serverless Postgres product as part of an 8-person team serving >30k databases.
- Rewrote user-data ingestion component to optimize data structures, use performant C libraries, and fix format inference bugs — resulting in 3x memory reduction, 5x throughput increase, and >70% reduction in failed jobs.
- Built and updated internal APIs (HTTP/Django) and cron jobs for product metadata and billing management.
- Overhauled server-side product instrumentation for improved quality and >75% cost reduction.

PACCAR Inc.

Senior Data Scientist

Jun 2019 – May 2021

- Built and deployed production machine-learning-backed API for custom discount guidelines — resulting in 25% error reduction and >\$1M annual recurring savings compared to legacy tool.
- Explored and cleaned large-scale truck telematics data to develop survival/classification models that enabled proactive truck maintenance and estimated warranty savings >\$1M.

Boeing

Propulsion Engineer I → III

Jun 2011 – May 2018

- Co-invented trade-secret wing overpressure protection system in current military use.

SKILLS

Claude Code, Cursor, Scala, Go, Python, SQL, Postgres, Kubernetes, Git, Prometheus, TypeScript/JavaScript, React, AWS

EDUCATION

Georgia Institute of Technology

Jan 2018 – Aug 2019

MS, Analytics, GPA 4.0/4.0, Computational Data Analytics Track

University of Michigan

Sep 2007 – May 2011

BSE, Mechanical Engineering, GPA 3.98/4.00, Summa Cum Laude