

Databricks Data Intelligence Platform

Powering the Agentic Era

Unlock the full potential of the Databricks Data Intelligence Platform in this fully updated second edition—your definitive guide to building enterprise-ready Generative AI (GenAI) solutions, managing complex data workflows, and deploying intelligent applications at scale. Whether you're a data engineer, AI developer, data scientist, or technology leader, this book empowers you to transform your organization with cutting-edge AI capabilities.

This edition brings a sharp focus to the latest advancements in Artificial Intelligence within Databricks. Learn how to build bespoke LLMs tailored to your enterprise, streamline development with Lakeflow and Declarative Pipelines, and harness the power of Agent Bricks and serverless GPU—now fully integrated with Mosaic AI. You'll also discover how Lakebase and Databricks Apps enable developers to create secure, governed AI experiences directly within the data ecosystem managed by Unity Catalog.

Whether you're new to Databricks and seeking a comprehensive, accessible introduction, or an experienced professional aiming to master the platform's latest AI capabilities and scale GenAI initiatives, this book delivers the insights, tools, and best practices you need to lead in today's data-driven, AI-powered enterprise landscape.

This book is an Open access publication

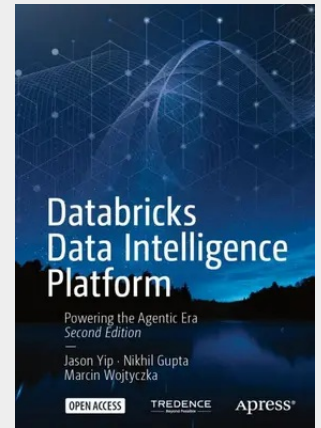
What You Will Learn

- Know the core principles of Lakehouse architecture, now enhanced with Lakebase
- Take a deep dive into Mosaic AI, Agent Bricks, and serverless GPU for scalable AI development
- Understand best practices for building and deploying GenAI applications from data ingestion to model serving and user interface integration
- Use Lakeflow, Declarative Pipelines, and Agent Bricks to streamline data and AI workflows
- Build secure, governed AI apps using Databricks Apps and Unity Catalog

Who This Book Is For

Solution architects, data engineers, data scientists, and Databricks practitioners who want to build and deploy Generative AI solutions using the Databricks Data Intelligence Platform. It's also a strategic resource for senior executives seeking to articulate the business value of Databricks to customers and stakeholders. People who are new to the Databricks Platform and want comprehensive insights will find the book accessible.

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