

The Definitive Guide to Google Vertex AI

★★★★★ 1 review

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TIME TO COMPLETE:

10h 7m

LEVEL:

Intermediate to advanced

SKILLS:

[MLOps](#)

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422 pages

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Implement machine learning pipelines with Google Cloud Vertex AI

Key Features

- Understand the role of an AI platform and MLOps practices in machine learning projects
- Get acquainted with Google Vertex AI tools and offerings that help accelerate the creation of end-to-end ML solutions
- Implement Vision, NLP, and recommendation-based real-world ML models on Google Cloud Platform
- Purchase of the print or Kindle book includes a free PDF eBook

Book Description

While AI has become an integral part of every organization today, the development of large-scale ML solutions and management of complex ML workflows in production continue to pose challenges for many. Google's unified data and AI platform, Vertex AI, directly addresses these challenges with its array of MLOPs tools designed for overall workflow management.

This book is a comprehensive guide that lets you explore Google Vertex AI's easy-to-advanced level features for end-to-end ML solution development. Throughout this book, you'll discover how Vertex AI empowers you by providing essential tools for critical tasks, including data management, model building, large-scale experimentations, metadata logging, model deployments, and monitoring. You'll learn how to harness the full potential of Vertex AI for developing and deploying no-code, low-code, or fully customized ML solutions. This book takes a hands-on approach to developing and deploying some real-world ML solutions on Google Cloud, leveraging key technologies such as Vision, NLP, generative AI, and recommendation systems. Additionally, this book covers pre-built and turnkey solution offerings as well as guidance on seamlessly integrating them into your ML workflows.

By the end of this book, you'll have the confidence to develop and deploy large-scale production-grade ML solutions using the MLOps tooling and best practices from Google.

What you will learn

- Understand the ML lifecycle, challenges, and importance of MLOps
- Get started with ML model development quickly using Google Vertex AI
- Manage datasets, artifacts, and experiments
- Develop no-code, low-code, and custom AI solution on Google Cloud
- Implement advanced model optimization techniques and tooling
- Understand pre-built and turnkey AI solution offerings from Google
- Build and deploy custom ML models for real-world applications
- Explore the latest generative AI tools within Vertex AI

Who this book is for

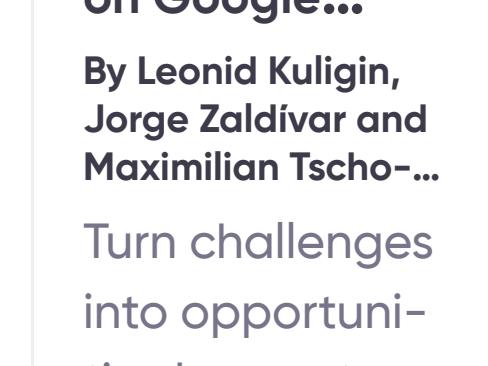
If you are a machine learning practitioner who wants to learn end-to-end ML solution development on Google Cloud Platform using MLOps best practices and tools offered by Google Vertex AI, this is the book for you.

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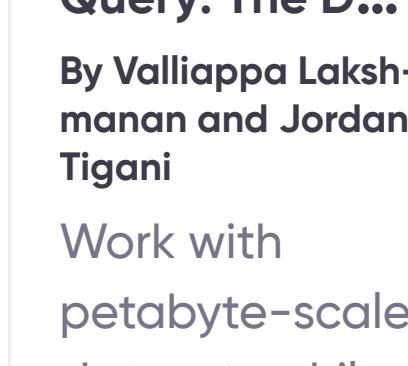
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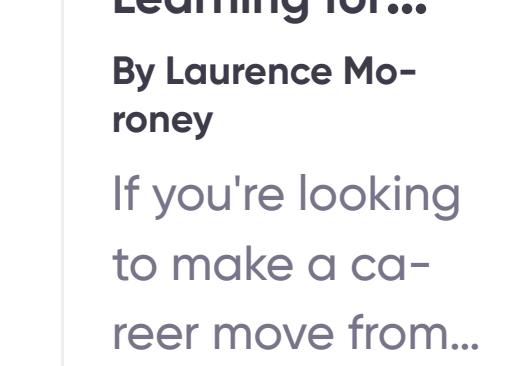
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