DAVID FARLEY

MODERN SOFTWARE ENGINEERING

Doing What Works to
Build Better Software Faster

Foreword by TRISHA GEE

Praise for *Modern Software Engineering*

"*Modern Software Engineering* gets it right and describes the ways skilled practitioners actually engineer software today. The techniques Farley presents are not rigid, prescriptive, or linear, but they are disciplined in exactly the ways software requires: empirical, iterative, feedback-driven, economical, and focused on running code."

—Glenn Vanderburg, Director of Engineering at Nubank

"There are lots of books that will tell you how to follow a particular software engineering practice; this book is different. What Dave does here is set out the very essence of what defines software engineering and how that is distinct from simple craft. He explains why and how in order to master software engineering you must become a master of both learning and of managing complexity, how practices that already exist support that, and how to judge other ideas on their software engineering merits. This is a book for anyone serious about treating software development as a true engineering discipline, whether you are just starting out or have been building software for decades."

—Dave Hounslow, Software Engineer

"These are important topics and it's great to have a compendium that brings them together as one package."

—Michael Nygard, author of *Release IT*, professional programmer,
and software architect

"I've been reading the review copy of Dave Farley's book and it's what we need. It should be required reading for anyone aspiring to be a software engineer or who wants to master the craft. Pragmatic, practical advice on professional engineering. It should be required reading in universities and bootcamps."

—Bryan Finster, Distinguished Engineer and
Value Stream Architect at USAF Platform One

Modern Software Engineering: Doing What Works to Build Better Software Faster

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Table of Contents