





JIM HIGHSMITH

Forewords by Martin Fowler and Heidi J. Musser

Praise for Wild West to Agile

"Jim Highsmith is the Forrest Gump of software development. What made the 1994 movie so entertaining was how frequently Forrest found himself in the right spot as history was being made. Unlike Forrest, though, Jim's actions influenced that history.

"Jim tells us stories from his early-career involvement in the Gemini and Apollo space projects and then working as a leader to bring about the shift to structured methods. From there he outlines how approaches such as Rapid Application Development planted the seeds that became agile software development.

"Throughout, Jim played a part in bringing about the changes that moved software development out of its Wild West beginnings and into its Agile present. The stories Jim tells in this book are entertaining and educational, and will be important to remember as we move into whatever the future holds for software development."

> —Mike Cohn, co-founder of the Agile Alliance and the Scrum Alliance; author of Succeeding with Agile

"Jim provides a unique perspective not just from the sidelines, but from out on the playing field. If you want to understand the shape of software development today, this is the book for you. If you want to understand how to navigate a turbulent career with grace and style, this is also the book for you. If you enjoy memoirs, ditto. Since I first encountered him in the 1990s, Jim has been my model of a steady, thoughtful leader. Enjoy his story."

—**Kent Beck**, Chief Scientist, Mechanical Orchard; author, *Extreme Programming Explained: Embrace Change*

"A magnum opus from master storyteller, adventurer, nonconformist, and adaptable agile maven Jim Highsmith. With this braided narrative, Jim defines what it means to be truly agile, both personally and organizationally. A must-read for a fascinating first-person perspective and invaluable insights into the past, present, and future of agility. I haven't enjoyed a book as much in a very long, long time."

-Sanjiv Augustine, Founder and CEO, LitheSpeed

"The phrase 'been there, done that' has rarely been as true as it is for Jim Highsmith and his long and varied career in software. Jim is a great storyteller, and this book tells great stories about many of the leaders of our industry. Enjoy the ride!"

—Rebecca Parsons, Chief Technology Officer, Thoughtworks

"The evolution of the software industry from its humble beginnings is captured in a way that only Jim Highsmith can. His coupling of the historical evolution of the software industry with his own personal experiences helps to bring greater insight to the reader as he explains the driving business factors that led to the creation and evolution of the agile software movement. This is not just a walk down memory lane. As an

Wild West to Agile: Adventures in Software Development Evolution and Revolution

Table of Contents

Cover

Half Title

Title Page

Copyright Page

Contents

Foreword

Foreword

Preface

Acknowledgments

About the Author

Chapter 1: The Adventure Begins

Career overview

Software

Software development

Software development eras

Six decades of change

Observations

Chapter 2: Wild West

Apollo



Technology and the world

Esso Business Systems

Exxon to Oglethorpe

Software development

Management trends

Era observations

Chapter 3: Structured Methods and Monumental Methodologies

Era overview

Software methods

Methods, methodologies, and mindsets

CSE/Telco

Structured pioneers

Information Architects, Inc

Technology

Monumental Methodologies

Waterfall

Management

CASE tools

Era observations

Chapter 4: The Roots of Agile

Era overview

Structured methods to RAD

Microsoft

RAD to RADical

Portland Mortgage Software

Information technology



Nike

Consultants Camp and Jerry Weinberg

RADical to adaptive

Collaboration

Complex adaptive systems

Adaptive software development book

Additional agile roots

Era observations

Chapter 5: The Agile Era

New challenges

Martin Fowler

Trimble Navigation

The Agile Manifesto

Agile organizations

Agile ecosystems

Agile methodologies

Agile periods

Era observations

Chapter 6: Rogue Teams

Cutter and travels

The Mustang Team at Cellular, Inc

Technology (19952007)

Three agile stories

Agile project management

Period observations

Chapter 7: Courageous Executives



Sciex

A new generation of pioneers

Integrated Financial Software

Southern Systems Software

Agile project management

Organizational change

Software development

Scaling agile

Athleta

Period observations

Chapter 8: Digital Transformation

Thoughtworks

A world accelerating

Digital transformation

Tech@Core

EDGE operating model

The unFIX organization model

Empathetic and adaptive leadership

Period observations

Chapter 9: Prepare to Engage the Future

Why history?

Agile and agility

Afterword

Appendix

References

Bibliography



Index

