## Contents

Foreword	
A Brief Introduction	
Acknowledgments	xxi
Part One	
Software Development in an Imperfect World	1
Chapter 1 Welcome to Corporate America	3
Co Von Thomat Vond Zoot De Catina All Dan (51)	
So You Thought You'd Just Be Coding All Day, Eh?	3
What's a Nice Programmer Like Me	
Why People Run Businesses and Pay Programmers	6
The Corporate World Is Not Logical	8
You Can't Win If You Don't Play	11
The Various Species of Broadanness	
The Various Species of Programmers	16
Chapter 2 Business Is War. Meet the Enemy.	23
Unrealistic Deadlines	
Vague Definition of Requirements	
Inadequate Time for Analysis and Design	
Sometimes the Enemy Is Within	
No Time or Resources for Testing	
Poor Company Management	
Internal Politics	
The Unexpected	45
Chapter 3 Good Coding Skills Are Not Enough	47
What's in It for Me?	47
Who Needs These Skills?	
Taking Control of Your Time	
Enhancing Design	
Improving Interaction	
Gettina What You Want	

Part Two Guerilla Tactics for Front Line Programmers	59
Chapter 4 Preventing Arbitrary Deadlines	61
Defining the Process	
Commissioning a New Software Project	
Identifying the Requirements	66
Building Your Testing Environment	
Entering the Design Phase	
Estimating the Effort	
Coding Bliss	73
Testing the Candidates	71 71
Addressing the Installation Issue Managing the Beta Phase	74 75
Ftched in Stone  You Don't Have to Like It. It Just Has to Be Clear	78 81 83 84
Preparations for Effective Information Gathering	
Defining the Requirements	
When the Party's Over	
Politics Are Never Far Away	
Chapter 6 Effective Design Under Fire	97
Design? What Design?	98
Estimating the Design Effort	99
Rolling Your Own Design Methodology	102
Hitting the High Points	107
Effective PrototypingWhen You Can't Get Even This Much Time	108
When You Can't Get Even Inis Much Time	

Chapter 7 Practical Estimating Techniques	115
Understanding the Process	116
Avoiding Common Mistakes	117
The Myth of the Eight-Hour Day	118
Crunching the Numbers	120
Converting Hours to Delivery Dates	123
Don't Forget the Final Details	125
Wrapping up the Project	127
What If Things Didn't Go by the Book?	128
Chapter 8 Fighting for Quality Assurance	131
How Do We Get Away with Buggy Releases?	131
Justifying a Quality Assurance Effort	
What's a Tester?	
Building Your Team	
Training Your Testers	
Make Them Feel Like a Part of the Team	
Establishing the QA Process	
Chapter 9 Keeping the Project Under Control	
Keeping Track of Your Time	145
Keeping Track of Your Time Managing Your Team	145 147
Keeping Track of Your Time Managing Your Team Improving Your Coding Discipline	145 147 148
Keeping Track of Your Time Managing Your Team Improving Your Coding Discipline Thinking Ahead to Debugging	145 147 148 151
Keeping Track of Your Time Managing Your Team Improving Your Coding Discipline Thinking Ahead to Debugging Incorporating Version Control	145 147 148 151
Keeping Track of Your Time	145 147 148 151 152
Keeping Track of Your Time	145147148151152153
Keeping Track of Your Time	145147151152153155
Keeping Track of Your Time	145147151152153155
Keeping Track of Your Time	145147151152153155157
Keeping Track of Your Time	145147151152153155157161
Keeping Track of Your Time	145147151153155161163
Keeping Track of Your Time	145147151153155167
Keeping Track of Your Time	145147152153155157161163164167169
Keeping Track of Your Time	145147151153155161163164167169

Chapter 11 Corporate Self-Defense	179
What Do You Have to Lose?	180
Picking Your Battles	181
Avoid Being a Target	
Assessing the Lay of the Land	185
Escape and Evade	
If You Must Attack	187
Improving Your Skills	190
Chanter 12 Controlling Your Destiny	101
Chapter 12 Controlling Your Destiny	
The Company Man	192
The Company Man The Mercenary	192 194
The Company Man The Mercenary The Entrepreneur	192 194 198
The Company Man The Mercenary The Entrepreneur Landing the Job	
The Company Man The Mercenary The Entrepreneur Landing the Job Thinking Ahead	
The Company Man The Mercenary The Entrepreneur Landing the Job	