

# Contents

Foreword .....xi

Acknowledgments .....xiii

**Part 1: The .NET Devices** .....1

**Chapter 1: Mobility and Microsoft** .....3

A Brief History of Mobility .....3

A Brief History of Microsoft .....10

Microsoft Meets the Brave,  
New, Interconnected World .....17

**Chapter 2: Internet Explorer** .....23

History .....23

Creating Applications .....29

Final Thoughts .....42

**Chapter 3: Pocket PCs** .....43

Background .....43

Internet Links .....67

<b>Part 2: The "Other" Devices</b>	<b>69</b>
 Chapter 4: Mobile Phones .....	 71
Foundations of the Smart Phone .....	71
Creating Applications .....	82
Final Thoughts .....	97
 Chapter 5: Palm OS .....	 99
Background .....	99
Creating Applications .....	102
Final Thoughts .....	126
 Chapter 6: J2ME Clients .....	 127
History .....	127
Creating Applications .....	136
Final Thoughts .....	158
 Chapter 7: Bringing It All Together, Part One ...	161
Writing the Server .....	162
Writing the Clients .....	180
Final Thoughts .....	185
 <b>Part 3: The .NET Server</b>	 <b>187</b>
 Chapter 8: Meet .NET .....	 189
What Is All the Fuss About? .....	189
Installing .NET .....	192
A Closer Look at Visual Studio .NET .....	200
Final Thoughts .....	214

<b>Chapter 9: Web Applications</b>	<b>.....215</b>
ASP.NET	.....215
Web Forms	.....227
Final Thoughts	.....246
 <b>Chapter 10: Web Services</b>	 <b>.....247</b>
The Limits of Web Applications	.....247
Meet the Web Service	.....251
Final Thoughts	.....269
 <b>Part 4: Mobile .NET</b>	 <b>271</b>
 <b>Chapter 11: Mobile Web Services</b>	 <b>.....273</b>
Lathering Up the Web Service	.....273
Internet Explorer	.....276
Pocket PC	.....279
J2ME	.....281
Palm OS	.....287
WAP and i-Mode	.....293
Final Thoughts	.....301
 <b>Chapter 12: The Mobile Internet Toolkit</b>	 <b>.....303</b>
Getting Started	.....303
Using the Mobile Controls	.....310
So Where Does This Leave Us?	.....337
 <b>Chapter 13: Extending the MIT</b>	 <b>.....339</b>
Leveraging Mobile Capabilities	.....339
Supporting Additional Devices	.....351
Final Thoughts	.....371

<b>Part 5: Mobile .NET in the Enterprise</b>	373
Chapter 14: Bringing It All Together, Part Two	375
Final Thoughts	391
Chapter 15: The .NET Compact Framework	393
Introduction	393
The .NETcf Class Library	405
Migrating to .NETcf	411
Final Thoughts	421
Chapter 16: Mobile Data .NET	423
Working with Local Data	423
Connecting to the Server	441
Final Thoughts	452
<b>Appendix A: XML</b>	453
About XML Document Structure	453
Using Programmatic Interfaces to XML	461
<b>Index</b>	467