SQL Antipatterns: Avoiding the Pitfalls of Database Programming (Pragmatic Programmers)

By Bill Karwin

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Bill Karwin has helped thousands of people write better SQL and build stronger relational databases. Now he's sharing his collection of antipatterns--the most common errors he's identified in those thousands of requests for help.

Most developers aren't SQL experts, and most of the SQL that gets used is inefficient, hard to maintain, and sometimes just plain wrong. This book shows you all the common mistakes, and then leads you through the best fixes. What's more, it shows you what's *behind* these fixes, so you'll learn a lot about relational databases along the way.

Each chapter in this book helps you identify, explain, and correct a unique and dangerous antipattern. The four parts of the book group the anti?patterns in terms of logical database design, physical database design, queries, and application development.

The chances are good that your application's database layer already contains problems such as *Index Shotgun*, *Keyless Entry*, *Fear of the Unknown*, and *Spaghetti Query*. This book will help you and your team find them. Even better, it will also show you how to fix them, and how to avoid these and other problems in the future.

SQL Antipatterns gives you a rare glimpse into an SQL expert's playbook. Now you can stamp out these common database errors once and for all.

Whatever platform or programming language you use, whether you're a junior programmer or a Ph.D., *SQL Antipatterns* will show you how to design and build databases, how to write better database queries, and how to integrate SQL programming with your application like an expert. You'll also learn the best and most current technology for full-text search, how to design code that is resistant to SQL injection attacks, and other techniques for success.

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SQL Antipatterns: Avoiding the Pitfalls of Database Programming (Pragmatic Programmers) By Bill Karwin Bibliography

- Sales Rank: #100843 in Books
- Brand: Brand: Pragmatic Bookshelf
- Published on: 2010-07-05
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.00" w x 7.50" l, 1.28 pounds

- Binding: Paperback
- 328 pages

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