

# Beginning Web Development with Perl

From Novice to Professional



Steve Suehring

## **Beginning Web Development with Perl: From Novice to Professional**

**Copyright © 2006 by Steve Suehring**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner and the publisher.

ISBN (pbk): 1-59059-531-9

Printed and bound in the United States of America 9 8 7 6 5 4 3 2 1

Trademarked names may appear in this book. Rather than use a trademark symbol with every occurrence of a trademarked name, we use the names only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

Lead Editor: Ewan Buckingham

Technical Reviewer: James Lee

Editorial Board: Steve Anglin, Dan Appleman, Ewan Buckingham, Gary Cornell, Tony Davis, Jason Gilmore, Jonathan Hassell, Chris Mills, Dominic Shakeshaft, Jim Sumser

Project Managers: Laura Cheu, Richard Dal Porto

Copy Editors: Marilyn Smith, Nicole LeClerc

Assistant Production Director: Kari Brooks-Copony

Production Editor: Ellie Fountain

Compositor: Kinetic Publishing Services, LLC

Proofreader: Lori Bring

Indexer: Rebecca Plunkett

Cover Designer: Kurt Krames

Manufacturing Director: Tom Debolski

Distributed to the book trade worldwide by Springer-Verlag New York, Inc., 233 Spring Street, 6th Floor, New York, NY 10013. Phone 1-800-SPRINGER, fax 201-348-4505, e-mail [orders-ny@springer-sbm.com](mailto:orders-ny@springer-sbm.com), or visit <http://www.springeronline.com>.

For information on translations, please contact Apress directly at 2560 Ninth Street, Suite 219, Berkeley, CA 94710. Phone 510-549-5930, fax 510-549-5939, e-mail [info@apress.com](mailto:info@apress.com), or visit <http://www.apress.com>.

The information in this book is distributed on an “as is” basis, without warranty. Although every precaution has been taken in the preparation of this work, neither the author(s) nor Apress shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in this work.

The source code for this book is available to readers at <http://www.apress.com> in the Source Code section.

# Contents at a Glance

About the Author .....	xiii
About the Technical Reviewer .....	xv
Acknowledgments .....	xvii
Introduction .....	xix

## PART 1 ■ ■ ■ CGI Development with Perl

■ CHAPTER 1	The CGI Module .....	3
■ CHAPTER 2	Popular CGI Modules .....	35
■ CHAPTER 3	Databases and Perl .....	49
■ CHAPTER 4	System Interaction .....	73

## PART 2 ■ ■ ■ Internet Interaction with LWP and Net::Tools

■ CHAPTER 5	LWP Modules .....	89
■ CHAPTER 6	Net::Tools .....	107

## PART 3 ■ ■ ■ XML and RSS

■ CHAPTER 7	SOAP-Based Web Services .....	137
■ CHAPTER 8	Perl and RSS .....	153
■ CHAPTER 9	XML Parsing with Perl .....	165

## PART 4 ■ ■ ■ Performance Enhancement with mod\_perl

■ CHAPTER 10	Apache and mod_perl .....	183
■ CHAPTER 11	Development with mod_perl .....	201

## PART 5 ■ ■ ■ Creating Web Templates

■ CHAPTER 12	The Template Toolkit .....	233
■ CHAPTER 13	Perl Web Sites with Mason .....	263
■ APPENDIX	Perl Basics .....	283
■ INDEX	.....	339