

# GEOFFREY YOUNG

203 HOYT PLACE ♦ WALLINGFORD, PA ♦ 19086  
GEOFF@MODPERLCOOKBOOK.ORG

---

## EXPERIENCE

LIVE NATION ENTERTAINMENT

HOLLYWOOD, CA

07/2003 – PRESENT

### SENIOR SOFTWARE ENGINEER

Lead architect and primary developer for the migration of the `ticketmaster.com` search platform to Lucene. Responsible for the research, architecture, and design of all technical aspects of the project, in addition to coding the final search infrastructure. Through a combination of object-oriented Perl classes, JSON data representations, and an AJAX front-end, the resulting Solr-based platform achieved significant performance increases from both technical and user-interface perspectives, and now powers search for 12 properties under the Ticketmaster and Live Nation brands.

Developed two-way integration of iTunes database between Ticketmaster and Apple, in addition to creating both JSON and XML APIs to open Ticketmaster data to various internal and external partners, such as Blackberry.

Implemented an SEO strategy across all of `ticketmaster.com` to improve overall site visibility.

Introduced a fully integrated test and profiling suite for Ticketmaster's 2000+ Perl classes. Created a self-contained runtime environment based on `Apache-Test` and `Test::More` that mirrored production on command, covers both unit and functional tests, and exercises Perl object-oriented classes in a `mod_perl` environment. Integrated test coverage metrics using `Devel::Cover`. Additionally, designed and implemented a new automated profiling suite based on `Devel::Profiler`. Advocated a test-driven development model through documentation, tutorial-length spoken presentations, and mentoring.

Object-Oriented Perl	Apache	Oracle
<code>mod_perl</code>	Solr	JSON
MySQL	Lucene	C

STOPWATCH MEDIA

PHILADELPHIA, PA

03/2009 – PRESENT

### FOUNDER, CTO

Owner and lead developer for a software development company that focuses on innovative iPhone and iPad applications in the publishing and healthcare sectors. Our iPhone application THE CARRIER is an immersive work of fiction that incorporates real-time content delivery, push technology, and geolocation-based content manipulation. Other projects include a healthcare iPhone application for discovering clinical trials around the world.

THE CARRIER: COMPLETE GRAPHIC NOVEL	04/2010
THE CARRIER	09/2009
CLINICAL TRIALS	04/2009

COVAD COMMUNICATIONS

MEDIA, PA

12/1999 – 07/2003

### SENIOR APPLICATIONS ENGINEER

Responsible for the design and implementation of the provisioning interface for Covad's Layer 4 services, including the mass virtual Web hosting, custom Email, DNS, and Radius products. Solely responsible for writing, documenting, and maintaining a suite of object-oriented Perl classes that act an API between the Layer 4 services and various calling processes. Included with the API was a test suite containing over 1300 integrity tests using the `Test::More` and `Apache-Test` frameworks, ensuring the robustness and maintainability of the API. Also, created a POE interface between the provisioning API and driving Oracle back-end, as well as a SOAP webservice API for both Perl and Java clients.

Designed and implemented a scalable, template driven end-user self-care web application. This involved designing the Apache application architecture from the ground up, as well as writing custom object-oriented `mod_perl` handlers and Oracle stored procedures to integrate the Web front-end with Covad's back-end customer tracking and billing systems.

# GEOFFREY YOUNG

203 HOYT PLACE ♦ WALLINGFORD, PA ♦ 19086  
GEOFF@MODPERLCOOKBOOK.ORG

---

ANDERSEN CONSULTING  
SOFTWARE DEVELOPER

WILMINGTON, DE

02/1998 - 12/1999

Part of a team tasked to implement and continuously refine Manugistics for Demand Planning and Distribution Requirements Planning. Job responsibilities centered on writing custom scripts and Oracle stored procedures for Manugistics client/server batch processes. Regular interaction with DuPont IT representatives in order to manage business expectations, understand systems requirements, and document network design was also required.

Upgraded and supported COBOL programs and production networks for American Software, INC. Distribution Requirements Planning, Inventory Planning, and Forecasting modules.

MCNEIL CONSUMER PRODUCTS COMPANY  
WORLDWIDE CONSUMER PHARMACEUTICALS, ANALYTICAL SCIENCES  
RESEARCH ASSISTANT

FORT WASHINGTON, PA

04/1995 - 10/1997

Responsible for organizing company project efforts where analytical support was needed for the international marketplace. This included the development and writing of analytical test methods, stability protocols, and other documentation in compliance with global regulatory standards. Additionally, served as the main liaison between other departments and the Worldwide Analytical Sciences group. Routine pharmaceutical testing of both finished drug products and raw materials were also ongoing responsibilities.

WHITEHALL - ROBINS  
QUALITY ASSURANCE CHEMIST

HAMMONTON, NJ

06/1994 - 04/1995

Duties focused on finished product analytical release testing in a GMP compliant pharmaceutical environment.

## EDUCATION

### DEGREES

UNIVERSITY OF DELAWARE

1993

B.S. CHEMISTRY

B.A. PHILOSOPHY

## PUBLICATIONS

MOD\_PERL DEVELOPER'S COOKBOOK

SAMS PUBLISHING

2002

Lead author of an authoritative and critically acclaimed work on mod\_perl.

INTRODUCING MOD\_PERL 2.0

PERL.COM

2003

Authored a brief series articles focusing on the new Apache 2.0 and mod\_perl 2.0 architectures.

FILTERS IN 2.0

04/2003

TESTING MOD\_PERL 2.0

05/2003

INTEGRATING MOD\_PERL WITH APACHE 2.1 AUTHENTICATION

07/2003

## OPEN SOURCE

### APACHE SOFTWARE FOUNDATION

Member of the Apache Software Foundation  
Member of the ASF mod\_perl Project Management Committee (PMC)  
Committer in multiple Apache projects, including mod\_perl, httpd, and httpd-apreq

### CONFERENCE PRESENTATIONS AND TUTORIALS

#### O'REILLY TOOLS OF CHANGE CONFERENCE

DIGITAL STORYTELLING: PUBLISHING FICTION ON A MOBILE DEVICE 2010

#### APACHECON US

IMPLEMENTING APACHE SOLR AT TICKETMASTER: A CASE STUDY 2010  
PERFORMANCE: THE ART AND SCIENCE OF TUNING A LARGE PERL APPLICATION 2008  
OUTPUT FILTERS WITH MOD\_PERL 2006  
POWER PHP TESTING 2005  
TESTING PHP WITH PERL 2004  
TEST-DRIVEN APACHE MODULE DEVELOPMENT 2004  
MOD\_PERL 2.0 AT WARP SPEED 2004  
WRITING TESTS WITH APACHE-TEST 2003 and 2006  
OBJECT-ORIENTED MOD\_PERL 2002

#### O'REILLY OPEN SOURCE CONVENTION

ROCK-YOUR TESTING WORLD WITH DEVEL::COVER 2006  
POWER PHP TESTING 2006  
TEST-DRIVEN APACHE MODULE DEVELOPMENT 2005  
A FEW COOL THINGS ABOUT MOD\_PERL 2005  
PROGRAMMING THE APACHE LIFECYCLE 2003 and 2004  
WRITING TESTS WITH APACHE-TEST 2003  
TRANSITIONING TO MOD\_PERL HANDLERS 2001 and 2002

#### YET ANOTHER PERL CONFERENCE

WRITING TESTS WITH APACHE-TEST PART II 2005  
A FEW COOL THINGS ABOUT MOD\_PERL 2005  
WRITING TESTS WITH APACHE-TEST 2004  
MOD\_PERL: DO MORE 2002

### CPAN MODULES

Acme::No	Apache::Dispatch	Apache::Dispatch
Apache::AuthDigest	Apache::HEADRegistry	Test::Plan
Apache::AuthenHook	Apache::IncludeHook	WebService::CaptchasDotNet
Apache::Clean	Apache::MIMEMapper	WebService::UrbanAirship
Apache::DebugInfo	Apache::RequestNotes	Devel::Profiler::Plugins::Template