

GEOFFREY YOUNG

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EXPERIENCE

TICKETMASTER

WEST HOLLYWOOD, CA

07/2003 – PRESENT

SENIOR SOFTWARE ENGINEER

Lead architect and primary developer for a massive redesign of the search technology and functionality behind `ticketmaster.com`. Responsible for the research, architecture, and design of all technical aspects of the project, in addition to coding the final infrastructure. Responsible for significantly increasing performance of both the back-end search services as well as the forward-facing `ticketmaster.com` site for the first time in 5 years. This year-long project was the most visible initiative for Ticketmaster in 2008, and declared a huge success by upper management upon its launch in early 2009.

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

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.

Designed and implemented an alternate checkout pathway into the `ticketmaster.com` website for Ticketmaster partners, such as `mlb.com`.

Part of a team tasked to build a new date and time handling infrastructure, capable of making accurate calculations for varying locales around the world based on disparate input.

Introduced a fully integrated test and profiling suite for Ticketmaster's 1500+ 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 personal development practices.

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 as 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.

Designed and implemented a web service interface for accessing Layer 4 services via a language independent API. This included standing up a high-availability SOAP server cluster, providing a SOAP API interface to the existing Perl classes, and prototyping Perl and Java clients.

Standardized the code development processes for the Layer 4 services team. This involved creating a CVS repository with auto-generating commit emails, introducing a code-review process and rollout procedures, and advocating test suites for the entire codebase.

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.

ANDERSEN CONSULTING (ACCENTURE)
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.

Developed tailored content sites in order to strengthen the relationship between Andersen and its clients. Also involved in designing and implementing technical architecture in order to add a multi-lingual aspect to existing Documentum based searches.

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.

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)
 An active committer in multiple Apache projects, including mod_perl, httpd, and httpd-apreq

CONFERENCE PRESENTATIONS AND TUTORIALS

APACHECON US

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

EDUCATION

DEGREES

UNIVERSITY OF DELAWARE

1993

B.S. CHEMISTRY
 B.A. PHILOSOPHY