

GEOFFREY YOUNG

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EXPERIENCE

CLOUDMINE

PHILADELPHIA, PA

03/2014 – 04/2016

VICE PRESIDENT, ENGINEERING

Brought technical expertise and leadership to the Engineering department of a turnaround situation startup. Responsible for reorganizing and growing the Engineering department to triple its original size in 10 months, accounting for more than 30% of overall company growth. Sourced, interviewed, and negotiated employment terms of in-house, full-time developers across Product Engineering, DevOps, and UX groups, as well as contract employees and Co-op students. Retained essential talent during periods of corporate ambiguity. Shaped team culture by celebrating successes, respectfully managing conflict and disciplinary action, coupling developer individuality with accountability, and providing active professional leadership and technical mentorship.

Led technical stabilization and expansion efforts of the underlying software platform, creating a platform capable of serving technically diverse clients ranging from a top 10 pharmaceutical to a #1 Overall iPhone App. Architected and delivered core platform enhancements that implemented modern cloud scalability paradigms - intelligent caches, auto-scaling, blue-green deployments, data separation - and expanded the platform cloud footprint to multiple data centers. Implemented internal agile processes and development best practices, while also supporting customer pre-sales and post-sales activities. Delivered new products including an Apple ResearchKit SDK, Elasticsearch interface, AWS Elastic Beanstalk PaaS offering, and a new customer dashboard.

Member of the Executive Leadership Team, accountable to the CEO and Board of Directors. Responsible for executing on Board directed Engineering initiatives, as well as engaging the Board in company progress. Provided thought leadership on company direction, growth strategies, and organization development, while also mentoring executive peers. Member of the ISMS Executive Management Committee, which successfully directed CloudMine through both HIPAA HITECH compliance and ISO 27001 certification audits.

MONETATE

CONSHOHOCKEN, PA

06/2011 – 02/2014

DIRECTOR OF PRODUCT ENGINEERING

Led the research, development, and implementation of a cloud-based data warehouse and business intelligence solution successful in discovering and analyzing trends in historical clickstream data. Personally, designed, engineered, and delivered a data insight infrastructure that directly enabled the onboarding of new customers with the most sizable and complex data analysis needs Monetate had seen to date. The Amazon EMR, S3, and Hive based warehouse and architecture currently serves as the underlying intelligence for several Monetate products, and is continuing to make possible new product development initiatives.

Identified multiple opportunities for new e-Commerce products that could leverage the business intelligence architecture. Brought forward prior experience in search architectures and concepts, Solr, and Lucene to personally code and deliver a product discovery engine that combines lexicographic analysis with customer usage patterns. Led development of an agile engineering team that delivered a minimum viable recommendation product for use in A/B/n and multivariate testing in six weeks, and evolved the resulting competitive Merchandiser e-Commerce product to market in three months. Provided seamless engineering delivery, business strategy, and company vision as the Merchandiser product matured.

TICKETMASTER

HOLLYWOOD, CA

07/2003 – 06/2011

SENIOR SOFTWARE ENGINEER

Principal engineer and lead architect for the initiative to migrate the ticketmaster.com discovery platform to Lucene, resulting in dramatically improved ticket discovery and increased sales. Responsible for the research, architecture, and design of all technical aspects of the project, in addition to coding the final search infrastructure. Designed and implemented new systems and architectures for both the ETL process and the forward-facing JSON/AJAX application interface, resulting in an unparalleled back-end performance increase, more engaging user experience, and overall reduction in maintenance requirements. Scaled the Solr platform to power the search and browse experience for 12 web domains under the Ticketmaster and Live Nation brands. The enhanced platform enabled development of new product initiatives, serving as an authoritative data warehouse capable of scaling to meet the needs of future projects.

STOPWATCH MEDIA

PHILADELPHIA, PA

03/2009 – 04/2013

FOUNDER, CTO

Owner and lead developer for a mobile software development company that focused on forward-thinking applications pushing the envelope of the mobile experience. CLINICAL TRIALS was a widely used healthcare iPhone application for discovering clinical trials around the world. The iPhone application THE CARRIER was an immersive work of fiction that incorporated real-time content delivery, push technology, and geolocation-based content manipulation. THE CARRIER: COMPLETE GRAPHIC NOVEL was the first and only graphic novel available for the April 2010 launch of the iPad. On the basis of innovation in the mobile space, was chosen to present at the progressive O'Reilly Tools of Change for Publishing Conference in 2010. THE CARRIER iPhone application was featured as an "influential pioneer" in the curated Electronic Literature Showcase at the Library of Congress in April 2013.

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| 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 coding, documenting, and maintaining the API between Layer 4 services and disparate Application layers. Designed and implemented a scalable, template driven end-user self-care web application. Responsible for designing the Apache application architecture, as well as writing an interface between the web application layer with the Covad back-end customer tracking and billing systems.

ANDERSEN CONSULTING

WILMINGTON, DE

02/1998 – 12/1999

SOFTWARE DEVELOPER

Part of a team tasked to implement and continuously refine supply chain management software for DuPont's Demand Planning and Distribution Requirements Planning systems. Created custom scripts and Oracle stored procedures for Manugistics client/server batch processes. Upgraded and supported programs and production networks for American Software, INC. Distribution Requirements Planning, Inventory Planning, and Forecasting modules. Regularly interacted with DuPont IT representatives in order to manage business expectations, understand systems requirements, and document network design.

MCNEIL CONSUMER PRODUCTS COMPANY

FORT WASHINGTON, PA

04/1995 - 10/1997

WORLDWIDE CONSUMER PHARMACEUTICALS, ANALYTICAL SCIENCES

RESEARCH ASSISTANT

Organized company project efforts where analytical support was needed for the international marketplace. Developed new and novel analytical test methods, stability protocols, and other documentation in compliance with global regulatory standards. 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

HAMMONTON, NJ

06/1994 - 04/1995

QUALITY ASSURANCE CHEMIST

Laboratory chemist 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, the software that embeds the Perl Interpreter in the Apache HTTP Server.

SKILLS AND EXPERTISE

Amazon Elastic Map Reduce
Amazon Elastic Compute Cloud
Apache Kafka
Hive

Lucene
Solr
Elasticsearch

MySQL
MongoDB
Node.js
Python

Perl
mod_perl
Apache HTTP Server
Ruby on Rails

Objective-C
iOS
ResearchKit

EDUCATION

UNIVERSITY OF DELAWARE 1993

B.S. CHEMISTRY
B.A. PHILOSOPHY