

KEVIN KNOLL

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OBJECTIVE

To use my knowledge of object oriented programming to design and develop low maintenance, efficient, and reliable software and databases.

COMPUTER SKILLS

Programming Languages

- Java/JSP
- SQL/MySQL/PostgreSQL
- (x)HTML/XML
- CSS
- Javascript/Ajax
- jQuery
- Prototype
- Dojo
- Script.aculo.us
- Wordpress
- PHP
- ASP/ASP.NET

Software

- NetBeans (primary IDE)
- Eclipse
- Microsoft Visual C++
- Microsoft Visual Basic
- Adobe Photoshop
- Adobe Illustrator
- Adobe Fireworks
- Adobe Flash
- Adobe Dreamweaver

Platforms

- Linux
- Mac
- Microsoft Windows

EMPLOYMENT

Freelance Web Designer/Developer

6/05 – current

- Design, develop, and maintain websites following W3C standards
 - Emphasis on browser compatibility and search engine optimization
- Integrate libraries/tools (jQuery/Prototype/Dojo/Script.aculo.us, Wordpress, Google Analytics, YUI Compressor).
- Notable Projects
 - Made Me LOL (www.mademelol.com)
 - Social bookmarking website for all things funny on the internet
 - Ajax voting system – limits voting to one vote per post per IP address
 - Ajax submission of posts with automatic link detection
 - Easy to use sharing functionality – allows users to share to Facebook, Twitter, and many other sites
 - Integrated Facebook fan box and "Like" buttons
 - Over 250 posts and more than 10000 votes in roughly 6 months
 - Mobile version of the site
 - WordPress Theme Minifier
 - Plugin for the popular blogging platform WordPress
 - "Minifies" themes – reducing bandwidth and lowering page loading times
 - Compresses images
 - Removes whitespace/comments from HTML, CSS, and Javascript
 - In WordPress plugin directory - 400 downloads in first two weeks
 - "Dodge" Android Application

- Android application developed with Java and the Android SDK
 - Touchscreen support
 - Pending approval in the Android Market
- Various Mobile Websites
 - www.kevinknoll.com
 - www.mademelol.com
 - www.squidesma.com

Senior Web Developer

9/07 – 05/10

Computer Applications Unlimited

Harrisburg, PA

- Work as lead developer on multiple projects, following the entire software development life cycle.
- Develop database-driven web 2.0 application to handle Home Medical Equipment (HME) billing.
- Use Java Server Pages (JSP), Servlets, Filters, Ajax/Javascript, (x)HTML/CSS.
- Develop JSTL tag libraries, PDFs (using iText), dynamic graphs/charts.
- Work closely with management to enhance and create internal systems including code version control, documentation systems, and incident tracking.
- Key Accomplishments:
 - Integrate application(s) with third-party applications/services such as:
 - Google Maps
 - QuickBooks
 - MyFax – Fax over IP (FoIP) service
 - UPS Roadnet Anywhere
 - Implemented routing system to allow users to generate visual routes/directions for delivery trucks and salesmen.
 - Implemented connection and thread pooling to reduce server loads and speed up request times.
 - Played key role in enhancing data reporting systems, reducing processing times by over 350%.
 - Created a system to automate the sending and receiving of online medical claims through various websites, which eliminated the need for manual interaction and cut wasted time by over 40%.
 - Worked closely with management and third-party vendors to interface various e-commerce applications with existing databases.
 - Designed and developed various web application security systems allowing client-level administrators to grant or deny various user privileges.
 - Designed and developed a revision modification and continuous integration system (and integrated it into NetBeans).
 - Designed and developed a document imaging system, allowing users to attach various documents to database records, eliminating the need for photocopied paper medical records.
 - Implemented multiple occurrences of reflection, increasing code scalability.

EDUCATION

ITT Technical Institute

Associate in Specialized Technology Degree in
Software Applications and Programming
(emphasis in Java)

Mechanicsburg, PA

Graduated: 9/2007

West York Area High School

Diploma

- Honors Graduate/Summa Cum Laude
- National Honor Society
- Varsity Ice Hockey Team

York, PA

Graduated: 6/2005