

Derek Arnold

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Experience

MedNet Solutions

Minnetonka, Minnesota

Web Software Engineer, Jul 2015 - Present

- Perform development on a SaaS PHP eClinical product subject to strict regulatory controls
- Implement new features and functionality on a custom-developed, in-house MVC library

The Integer Group

Des Moines, Iowa

Senior Web Developer, Jan 2014 - Jun 2015

- Collaborate with the Director of Development in the architecture of new projects
- Build promotional projects for national clients such as Michelin and Pella Windows
- Participate in improving code review processes
- Optimize databases and legacy database code to meet changing scalability requirements

Web Developer, Jun 2012 - Jan 2014

- Collaborate with art directors and designers in the execution of creative web campaigns using both front-end and back-end technologies
- Write custom, ground-up PHP/MySQL applications for small to large promotions and products
- Utilize current HTML, CSS, and Javascript patterns to deliver cutting-edge websites for clients
- Incrementally improve in-house project management, proofing and time-management tools
- Coordinate with analysts to ensure every project is instrumented and measurable for performance

Webspec Design

Urbandale, Iowa

Web Developer, Oct 2011 - Jun 2012

- Implement custom designs for custom websites for area clients utilizing Wordpress
- Meet with both project managers and clients to finalize details of projects
- Assist in kicking off internal revision control processes
- Develop user interfaces for disparate projects using HTML, CSS, and Javascript, as well as custom PHP development

Dealerbuilt

Mason City, Iowa

Developer, Aug 2006 - Sep 2011

- Maintain Ubuntu Linux and FreeBSD systems
- Configure, tune, and maintain PostgreSQL servers
- Create PL/pgSQL functions to convert third-party data to native schemas
- Produce various Python scripts to streamline ETL and systems administration
- Help to develop company procedures and policies regarding database interaction
- Create one-off customer-facing small web applications using Python and PostgreSQL

Kroll Ontrack

Eden Prairie, Minnesota

QC Technician, Mar 2005 - Aug 2006

- Utilize Litigation Support tools and proprietary applications to test deliverables and data in varied delimited formats according to rigid specifications
- Document new and improved procedures and practices

Personal Projects

twitter.com/cahxiese

Automated fake book generation, with cover art.

twitter.com/gorillacities

Automated, random cityscapes generated using an adapted Python script using the same algorithm as the old Windows Gorillas game.

github.com/lysol

Various other personal and toy development projects

Technical Skills

Bash, CSS, LESS, HTML, Grunt, JavaScript, jQuery, node.js, Python, PHP
MySQL, PostgreSQL, Redis, SQLite, Apache, Nginx, Lighttpd
Ubuntu, Debian and other Linux server environments
Photoshop, Illustrator, ffmpeg, SoX, Audacity, Imagemagick

Education

Bachelor of Science, Information Technology Management
Graduated 2004, Hamilton College, Mason City, Iowa

Associate of Applied Science, Web Development
Graduated 2002, Hamilton College, Mason City, Iowa