

NATHAN APPLE

SENIOR SOFTWARE DEVELOPER

 nathan.apple@gmail.com

 www.napplecd.com

EMPLOYMENT

2010 - 2014

Lead Programmer

Virginia Tech Carilion Research Institute

- Led a three-person team of developers that served as an in-house software shop, determined project priorities, envisioned new features
- Implemented an agile-inspired methodology, providing a clear development path
- Created an application to manage subject recruitment, saving 2000 man hours per year (Java, Spring MVC, HTML, JavaScript, jQuery, JSP)
- Developed a module-based framework for experiment scripts (Java, Jython)
- Built an application to improve administration of IRBs (Java, Spring MVC, HTML, JavaScript)
- Developed a web application that allows users to visually design experiment displays (JavaScript, jQuery, SVG, Bootstrap, Jasmine)

2005 - 2010

Software Consultant

Qtags, llc **part-time*

- Created a thread pooled communication gateway for transceiving SMS messages (Java)
- Built an AJAX driven web application for communicating with customers via SMS - used by dozens of NFL, MLB and NCAA teams (HTML, CSS, JavaScript, jQuery)
- Performed database migration during major application version transition (PostgreSQL, Java)

2001 - 2010

Lead Programmer/Analyst

Baylor College of Medicine

- Created a client-server application to create multi-subject experiment scripts, execute those experiments and manage the data collected (Java, sockets, threading, Swing, SWT, PostgreSQL)
- Developed hundreds of experiment scripts used to collect thousands of data sets (Python/Jython)
- Simplified experiment scripting API to ease development for novice programmers (Java, Jython)
- Designed logos, journal cover art, and visuals for talks and papers

2000 - 2001

Software Developer

Quaadros

- Created server-side components for a networked communication application (sockets, threading, DB integration)

SKILL SET

GENERAL

Creative problem solver, tenacious debugger, quick learner, interface designer

TECHNICAL

Multi-threaded Programming
Object Oriented Design
Java
Servlets
Spring

HTML
JavaScript
AJAX
jQuery
Jasmine

CSS
SASS
Bootstrap
Git
Subversion

RDBMS
SQL
MongoDB
Python
PHP

EDUCATION

1996 - 2000

Computer Science - B.S.

The University of Texas at Austin