

LATEEF JACKSON

96 Cabarrus Avenue West, Concord NC 28025 USA

Phone: 704.835.0112 Email: lateef.jackson@gmail.com

Blog: <http://blog.hackingthought.com/>

Linkedin: <http://www.linkedin.com/in/lateefjackson>

PROFESSIONAL SUMMARY

A technology manager specializing in web application development. Management experience in the convergence of the business and technology sides of a company to optimize growth and product quality. Experience in online advertising, web and mobile application development, geopositioning data, and information delivery based on real-time physical location of the end-user. Excellent interpersonal and communication skills with a desire to develop web and mobile-based software applications in a team environment.

RECENT PROJECTS

Open Source:

- [goriak](#) - I created this to interface the Go (golang) programming language with the [Riak](#) database. (work in progress)
- [twitterstream](#) - Go implementation of the Twitter Streaming API. I added the [Twitter user streaming](#) support
- [Tornado](#) - Link to my fork of the Non blocking IO / Async web server that is my favorite Python web server.
- [fawps](#) - Low level very fast Python web server that I worked on some of the C wrapper when it was integrated with libevent
- [Frisky](#) - Non blocking IO / Async web server I wrote to experiment web server performance

Social Analytics:

- Gather data from a user Twitter account
- Basic reporting interface for users to track marketing efforts

Multimedia Site:

- Integrate multiple sources for audio, video and image content (Yahoo Music, Youtube, Soundcloud, Picasa and Flickr)
- YUI Ajax frontend hooked into custom mutiplatform event system
- Turbogears (Python) with CouchDB for storage

Zooshi.appspot.com:

- Online game
- Ajax (Jquery)
- Appengine (Python)
- Custom cross language event system (Java, Python, Javascript and Flash)

Google Android:

- HT Walkability Widget is an Android phone application and home screen widget that integrates walkscore.com API onto Android mobile phone.
- Creation of a platform for Google's Android mobile phone application. The platform, found at www.WerUAt.com, lets web developers easily publish their geopositioning data on Android-supported cell phones. Cell phone users will be able to choose from the available applications and activate the ones they are interested in.
- Use of Pylons and Google maps for web site and Android phone for mobile platform.

Kingdom Realty:

- Development of a website that integrates information from the following sources: Carolina Multiple Listing Service (MLS) and two Charlotte-based foreclosure data-feeds. The website automatically displays on a map the new listings and foreclosures. Created an algorithm to automatically calculate the 'best deals' as compared to the tax value and recent sales trend of surrounding properties.

PROFESSIONAL EXPERIENCE

Company: SocialServe.com Charlotte, NC 2008-Present

Title: Software Developer

Project: Medical Referral System

Implementation: Referral system designed to make homeless medical referrals efficient and traceable. Design and implement work flow interface using YUI.

Company: Adstreams.com Charlotte, NC 2007-2008

Title: Technology Consultant / Partner

Project: AdBlender

Implementation: Management and development of a solution for online publishers that aggregates online video and banner remnant ad inventory.

Project: Advertising model for online games

Implementation: Development and growth of reward-based online games in an advergame model.

Company: Five Oaks Capital Partners Charlotte, NC 2006-2007

Title: Technology Partner

Project: Egolf.com

Implementation: Technological and business analysis of potential website implementations for the domain name Egolf.com. Partnered with several businesses including a sports radio talk show, a training facility, golf resorts and a sports event marketing firm to create an all-inclusive golf experience.

caching system.

Project: Design and implement call management system.

Implementation: Created a J2EE, EJB, JBoss and Jython web application to manage phone calls and emails to landlords.

Project: Develop Linux build system using Python, Cheetah, LDAP, and shell scripts.

Implementation: Used Python to query LDAP database for server configuration information and Cheetah template engine to generate configuration files for entire server setup.

Implemented original distribution using RedHat 7.3, later converted to SuSE 9.0.

Project: Create and maintain office computing resources.

Implementation: Created build system for configuration files using LDAP, Apache, PHP, JBoss, NFS, LDAP, BIND, Postfix, Amavisd and DHCPD. Setup Kerberos server on PowerPC hardware and obscure Linux distribution for security reasons.

Project: Create form software development kit.

Implementation: Using J2EE, EJB, XML and public key encryption, design and implement a form system that will store the form inputs in XML and the responses encrypted in XML. Initial interface developed in HTML but programmed to be able to support other clients' interfaces.

Project: Create Java build system using Ant, Python and XDoclet and mentor new hires on J2EE, EJB, JPublish, Jython, MVC, JBoss, SQL, Design Patterns and Java.

Implementation: Used XDoclet, Ant and Python to generate classes and XML files to reduce the amount of maintained code in the system. New hires were trained on J2EE and EJB so they could understand what code was being generated for them and why. Also new hires were trained on Jython, CVS, JBoss, SQL and advanced Java so they could contribute code to the projects.

Project: Develop test suite for Java software projects.

Implementation: Analyzed test suites and decided to use Jython. Jython allowed a smaller organization to write more tests in a shorter amount of time than Java test suites. This also provided a scripting interface into the Java code base for rapid development, hot fixes and data conversions. Developed scripts to run test suite and email errors to developers.

Company: Java Enterprise Solutions Baltimore, MD

2000-2001

Title: Trainer

Project: Teach classes to groups of students on Vitria software.

Implementation: Taught seven-day classes on implementing solutions in Vitria software.

Other material covered was CORBA IDL and Java integration into Vitria.

Project: Develop manuals and workbooks for beginner Java course.

Implementation: Used XML, XSL and JSP to write the manuals so they could be easily transformed into HTML or PDF.

Company: Corporate Information Technologies Charlotte, NC 1998-2004

Subcontractor – Programming and Networking

Project: Develop Web framework.

Implementation: Used Python, Cheetah and Postgresql to develop a simple RDBMS web interface. This allowed for extremely fast application development.

Project: Develop HTML/PDF reporting system.

Implementation: Used XML, XSL, and Python to generate PDF documents and sales reports. Generate sales reports in XML and use XSL to convert them into HTML or PDF.

Project: Create an Oracle 9.x build system.

Implementation: Developed build system with SuSE 9.0 that would automatically install, configure and import data from an old server to a new Oracle server. Developed shell scripts to import data and template tablespaces so configuration files were platform independent.

Project: Create .NET API for sales reporting.

Implementation: Created library of objects to centralize code in report development using VB.NET and MSSQL. Used VB.NET to connect to MSSQL and used Access databases to retrieve sales information.

Project: Design and develop customer relationship management and documentation system.

Implementation: Using mod_python and Postgresql, developed website to track technical documentation, billing information and customer information. This system allows customers to login, request service and view documentation, allows for internal technical employees to submit and store technical information about the customer's networks, and provides internal company staff ability to generate sales reports and other relevant customer information.

EDUCATION

1995-2001 UNC Charlotte Charlotte, NC

B.S. Computer Science

LANGUAGES

English and Spanish