

Phil Calvin

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github.com/pnc

Education

2008–2012 **Bachelor of Computer Science**, *Furman University*, Greenville, SC.

- Concentration in Mathematics
- Graduated *summa cum laude*
- Recipient of the Computer Science Faculty Award
- Upsilon Pi Epsilon, CS Honor Society

Experience

2011–Present **Software Developer**, *Eleos Technologies*.

- Architected and delivered repeatable, auto-scaling deployments of core infrastructure components, including Erlang/OTP, Scala, and Clojure applications
- Implemented Java Erlang node to interface with proprietary IBM AS/400 library
- Designed and implemented WebSockets-based in-motion locking scheme for mobile app
- Designed, built, and deployed an HA Erlang application for delivering dispatch messages to iOS and Android devices, capable of 50 messages/second per small EC2 instance with read and delete syncing across devices
- Built and deployed iOS and Android clients for this messaging system
- Development and maintenance of Rails-based web interface for scanning product (new features, query optimization, and responsive email templates, among other contributions)
- Built and released recurring in-app purchase for iPhone product in two weeks, with server-side receipt verification, working part time
- User experience design and usability testing of scan and crop flow for mobile app
- Built and maintain the iPhone version of the company's core product: a mobile scanning application for truck drivers

2009–2011 **Software Developer**, *M33 Integrated Solutions*.

- Part of a team building a Grails-based rich Internet application to replace the existing ASP logistics management web app
- Designed and implemented a module in the application that allowed employees to quickly process incoming documents (received via email and scanners) using interactive search
- Designed and built an extensible reports platform based on an existing Java reports technology (Jasper)
- Increased operations discipline, focusing on production deployment, continuous integration and environment automation (Puppet and Jenkins)
- Introduced virtualization (ESXi-based with a customized slipstream build for commodity hardware) to reduce infrastructure costs for multiple staging environments

- Summer **Software Intern, Near-Time, Inc.**
2006, 2007, and 2008
- Part of a team developing a Ruby on Rails online group collaboration application
 - Integrated Subversion repository with code review application (Review Board)
 - Implemented OpenID login as an alternative to existing email/password authentication

Freelance.

- Freelance programming, including real estate (MLS) data conversion and a web application to summarize and display building power utilization data
- Built Windows (WiX) and Mac (app bundle) installers for a Processing-based puzzle game
- Personal web programming and application development

Skills and Technologies

- Languages Objective-C, Ruby, Erlang, Java, C, JavaScript, Clojure, Haml, Sass
Platforms OS X, Windows, iOS, Android, Linux (Debian/Ubuntu/CentOS)
Libraries and Frameworks Rails, cowboy, Core Data, AVFoundation, GPUImage, RestKit, AFNetworking, Mantle, android-async-http, Otto, jQuery, Underscore.js, Sinatra, Faye
Persistence PostgreSQL, MySQL, SQL Server, SQLite, Amazon SimpleDB, S3, SQS, Redis
Testing RSpec, Cucumber, KIF, eunit, clojure.test, Robotium
Infrastructure Chef, Puppet, Packer, Heroku, Amazon CloudFormation, EC2, ELB, nginx, Unicorn

Interests

- Music Guitar, bass, and synthesizers
Public Transit History, use, control systems, and a life goal to ride all the major ones
Cooking Both for consumption and for the challenge
Screenprinting Primarily fabrics, some paper