

# 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

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## 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

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## 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