

MARK ALEXANDER FRIEDGAN

PROFESSIONAL EXPERIENCE

2004-Current Cash America International (NYSE:CSH) Chicago, IL
CIO – Internet Division

- Overseeing all of technology for \$300 million internet division.
- Managing 70 team consisting of 6 departments.
- Work here because I want to, not because I need to anymore.

Senior Vice President (Research and Development)

- Personally hired and currently managing 22 person R&D department with a \$2 million annual budget
- Rebuilt second generation Lending Platform using Ruby on Rails
- Created Ruby distributed computing framework around TupleSpaces
- Created dynamic configuration framework, released under GPL as CnuConfig
- Created Pattern Matching functions for Ruby, released under GPL as Matchable

2001-2004 Data Cartography Inc. Chicago, IL
Director - Consulting

- *CDW*
 - Created a Java framework to facilitate easy migration from AS/400 RPG programs to Websphere hosted applications on the IBM iSeries.
 - Created a data persistence layer, logging, queue management and job scheduling infrastructure as well as a workflow engine using an open source rules engine.
 - Taught several sessions on the use of the framework as well as object oriented programming.
- *Product Animations*
 - Rebuilt software development environment from unstructured source dump for a Java3D application.
 - Created build process using Ant. Created installer using Nullsoft Installer.
 - Added features to system such as Text-to-Speech based voice prompts.
- *Videosave.net*
 - Acted as Project Manager with 3 subcontractors in managing the clients development and maintenance needs
 - Improved video capture server software by moving video capture and compression code from Java to C++ and interfacing it with the original Java code through JNI
 - Rewrote capture software to produce MPEG-4 video instead of MJPEG
 - Aided in the migration clients databases from Oracle 8i to Oracle 10g

- *CCC Information Services*
 - Created framework for UI Web Development for ease of creating user interfaces by offshore developers. Developed Application Access Control framework.
 - Developed Web Based Rule editor for a custom ILOG JRules implementation.
 - Team Lead of a 3 person team on a Windows smart client. The application is written in VB.NET, C# and C++/COM. It utilizes Web Services to communicate with the server. The application includes functionality to manipulate images, view downloaded documents and perform reinspections. It is installed using Installshield
 - Developed a B2B application for communication between insurance companies and repair dispatchers. The application is based on the J2EE platform and uses JSP, Java Beans and the Struts Framework and runs on the Weblogic Application Server. Acted as Development Lead on the project.
 - Developed Registration Application using JSP and the Struts framework running on Weblogic. Developed the architecture for a tree based Struts applications using UML. The application allows the customer service team to rapidly register new customers by automating the creation of LDAP accounts and setting up of roles and permissions for each user. Acted as Development Lead on the project.
 - Developed a set of JSP templates for quickly applying “look and feel” as well as common navigation and structural components.
 - Lead the upgrade effort from BEA Portal version 3.2 to version 7.0 and then to version 8.1, working extensively with an offshore development team
 - Introduced the development organization to navigation maps as a documentation tool for web based applications.
- *Gaines International*
 - Fixes and added features to custom CRM application specific to the recruiting business. Developed in Python.
 - Occasional network security work, virus removal and network hardening.
- *cabletheft.com*
 - Completed development of the site using PHP and MySQL.

2001 Auvo Technologies Inc. Itasca, IL

Senior Software Developer

- Developed software for a Wireless Application Server. Designed application API using UML in Rational Rose. The API interacted with an XML parser to create dynamic applications.
- Modeled and then implemented a multi-modal news application utilizing voice recognition and text-to-speech to provide a rich multimedia experience on a wireless device. The software was designed with UML, coded in C++ and built for both Windows 2000 and Solaris. News content was pulled in from sources using Unix shell scripts.
- Supported user acceptance test of the software at major Spanish cellular carrier.

2001 Carnegie Mellon University Pittsburgh, PA
Head TA for Software Engineering

- Lectured on software engineering principles, process and technology focusing on Middleware and UML.

2000 Northwestern University Evanston, IL
Research Assistant

- Sole developer in a cross-functional research team building interactive teaching tools for Biomedical Engineering in the area of Mammalian Vision. Developed demonstrations and multimedia experiences using DHTML and Flash.

1999 Dell Round Rock, TX
Graphics Engineer

- Developed and oversaw the use of a verification plan for Windows 2000 video card drivers to enforce compliance to DDK and Dell customer requirements

EDUCATION

Carnegie Mellon University Pittsburgh, PA
Master of Science in Electrical and Computer Engineering

- Research: Pervasive Computing Systems Architecture (Project Aura)

Carnegie Mellon University Pittsburgh, PA
Bachelor of Science in Electrical and Computer Engineering

- Minor in Computer Science and Minor in Mathematics
- Graduated with Honors