Christopher Geihsler

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Objective	Seeking to delight customers by continuously deploying high-quality, highly usable software as a full-time employee in a collaborative, agile, team-based environment.

Experience

Omnyx
Senior Software Engineer
Pittsburgh, PA
November 2008 - Present

Developed Omnyx's Integrated Digital Pathology (IDP) system: an enterprise application that allows anatomic pathologists to accurately and quickly diagnose patients by replacing a workflow of glass slides, microscopes, and paper records with digital pathology images, electronic records, and integration to other systems within the hospital.

- Designed, developed, and tested user-facing features using C#, WPF, WCF, NHibernate, and SQL Server.
- Built control software for a high precision medical imaging device in C# and C++. Utilized messaging patterns to coordinate the movements of a high-speed robot with extremely precise optics.
- Improved IDP scalability and reliability by utilizing messaging patterns (via NServiceBus and MSMQ) to communicate between services.
- Designed and implemented a Web Services API used by 3rd party vendors to integrate with the IDP.
- Optimized SQL queries and application logic to support millions of patient cases.
- Member of a Scrum team and active participant in planning, estimation, development, and testing.
- Member of the architecture team (which acts as a product owner for non-functional requirements.)
- Pair programmed with team members and followed Test Driven Development.
- Evangelized the application of the SOLID principles, UI design patterns (MVVM and MVP), Automated Acceptance Tests, and Domain Driven Design.
- Aggressively refactored existing code to improve readability and reduce technical debt.
- Organized bi-weekly, 30-minute training sessions run by the developers, for the developers.

CareCentric
Software Engineer/Technical Team Lead
Atlanta, GA/Pittsburgh, PA
May 2003 – November 2008

Developed and maintained Ac-Cura: a smart client home healthcare management software product that allowed customers to intake patients, collect clinical data, and generate healthcare claims to be sent to Medicare and 3rd party insurance companies.

- Designed and implemented a layered architecture using C#, WinForms, .NET Remoting hosted in IIS, ADO.NET, and T-SQL stored procedures.
- Automated Ac-Cura's build and deployment processes by developing MSBuild scripts and incorporating them into a CruiseControl.NET continuous integration server.

Community

- Regular attendee of Pittsburgh ALT.NET, .NET UG, Agile Meetup, Code Retreats, and PGH Ruby Brigade.
- Alumni of the 2011 May Core Skills Course of the Ruby Mendicant University.
- Attended Udi Dahan's *Advanced Distributed Systems Design with SOA* in Austin, TX.
- Presented *An Introduction to CQRS and Event Sourcing* as a speaker at the 2010 Pittsburgh Code Camp.
- Contributed to several open source projects: Albacore, Rstatus, University-Web

Tools/APIs

.NET Framework 1.1-4.0, WPF, WCF, NHibernate, NServiceBus, StructureMap, MSBuild, Powershell, NUnit, SpecFlow, MSpec, MS SQL Server, TeamCity , TFS, SubVersion, git, Ruby 1.9.x, Rails 3.x, vim, bash

Education

Georgia Institute of Technology (Georgia Tech)
B.S. in Computer Science, GPA: 3.25 (Honors)
Specializations in Graphics and Networking
Atlanta, GA
1998 - 2003

HOPE Scholar, National Merit Scholar, Member of National Society of Collegiate Scholars