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Justin Pincar

Skills

Coding: C/C++/C#/Obj-C, Java/JSP, Visual Basic (and ASP.NET)

Scripting: HTML/CSS/AJAX, PHP, Perl, Ruby/Rails, MySQL, LaTeX

Misc: EC2, ELB, SDB, S3, Hadoop, Cassandra, Thrift, Ehcache, CruiseControl

Formal Experience

AdMob (acquired by Google)

September '09 – Present

I redesigned and rebuilt AdWhirl's servers to run as a distributed system on Amazon's cloud, which now handles spikes of ~7,000 requests/second. I also rewrote the AdWhirl website using a homemade MVC architecture, created an Android client, and helped develop an iPhone client.

I made various performance and feature enhancements to the ad servers, and worked on a team to create a user-tracking system backed by Hadoop and Cassandra. I also created a service layer to control access to AdMob's databases and lessen the impact of database maintenance.

DRT (acquired by Boeing)

May '09 - September '09

My primary focus was to improve existing GUI applications by applying HCI principles. In addition to coding I conducted user studies and created usage scenarios and user personas.

CERT/CC

May '07 – May '09

Our team extended the open source project Compass/ROSE to simplify vulnerability detection by automatically detecting violations of rules in source code. After reading the ISO/IEC C standard I created hundreds of secure coding rules for C, C++, and Java, which are now published with source code snippets in *The CERT C Secure Coding Standard*.

Informal Experience

Trisse, Inc.

It made sense to write off some of my side project costs as business expenses, and Trisse is a Delaware S-corporation I created for this purpose. The actual business goal of Trisse was to create an advertising network based on merit - instead of CPC and CPM ads, we only run CPA and CPL ads.

SideSpin

I started this project in order to explore the complexities of SEO. In order to track users and protect my traffic sources I created a redirection service, which I used to offer for a small fee.

Education

Carnegie Mellon University

May '09

Bachelor of Science in Computer Science

Additional major in Human-Computer Interaction

All this and more, at <http://www.justinpincar.com>