James Baicoianu

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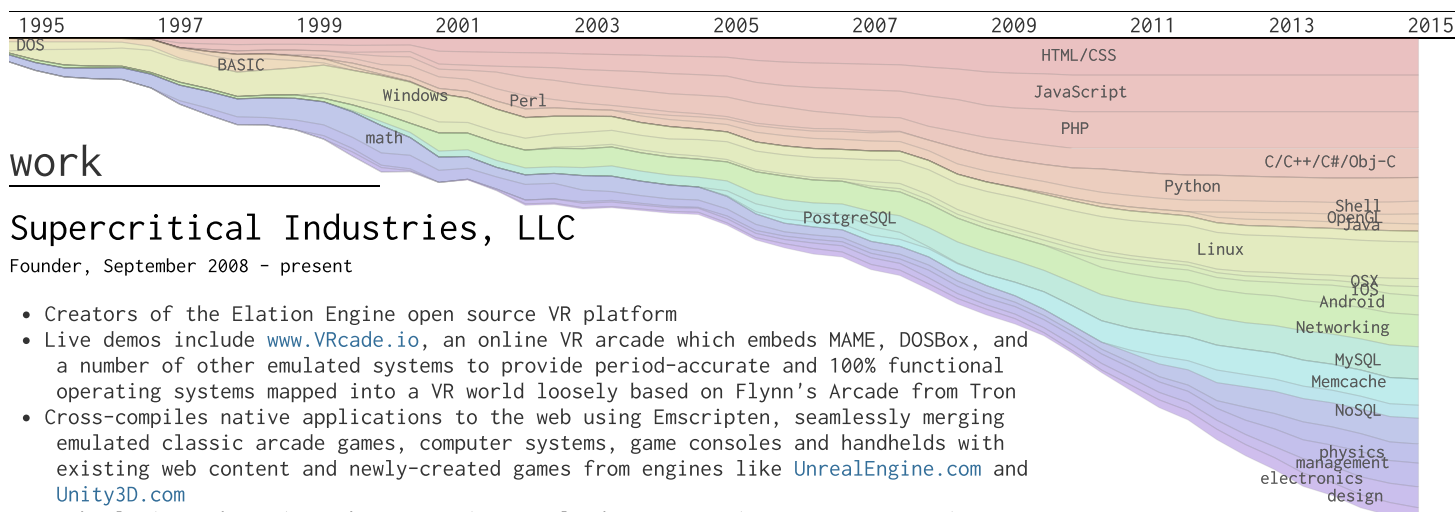github.com/jbaicoianu
twitter.com/bai0

This is the printed version of this resume
Interactive version available online at baicoianu.com/resume/

| 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 |

DOS
BASIC
Windows
math
Perl
PostgreSQL
HTML/CSS
JavaScript
PHP
C/C++/C#/Obj-C
Python
Shell
OpenGL
Java
Linux
OSX
iOS
Android
Networking
MySQL
Memcache
NoSQL
physics
management
electronics
design

work

Supercritical Industries, LLC

Founder, September 2008 – present

- Creators of the Elation Engine open source VR platform
- Live demos include www.VRcade.io, an online VR arcade which embeds MAME, DOSBox, and a number of other emulated systems to provide period-accurate and 100% functional operating systems mapped into a VR world loosely based on Flynn's Arcade from Tron
- Cross-compiles native applications to the web using Emscripten, seamlessly merging emulated classic arcade games, computer systems, game consoles and handhelds with existing web content and newly-created games from engines like UnrealEngine.com and Unity3D.com
- Technologies: Three.js, WebGL, Emscripten, Blender, JavaScript, HTML5, AWS, Linux, Windows, OSX, Android, iOS, Oculus Rift, GearVR, Google Cardboard

TheFind, Inc.

Frontend Architect, August 2006 – March 2015

- Shopping search engine which indexed 500M products from 500K online merchants
- Responsible for leading frontend development from product launch in 2006 to acquisition in 2015
- Built frameworks, defined APIs, and established formal development and release processes
- Acquired by Facebook.com in 2015
- Technologies: Apache, PHP, JavaScript, HTML5, Memcache, MySQL, Cassandra, C++, Python, Shell, Android, LVS, SVN, Git

Affini, Inc.

Senior Software Engineer, July 2004 – December 2006

- Lead development of search-based advertising platform which matched users with ads based on social media profiles
- Presented product on stage at DEMO.com conference
- Technologies: Linux, Networking, Apache, Python, PHP, PostgreSQL, Jabber, XHTML, CSS, JavaScript

Air Synergy Labs, Inc

Lead Developer/Systems Administration, January 2002 – February 2006

- Developed an e-commerce backend and CRM system for managing multiple storefronts
- Designed, built, and maintained Linux clusters and network
- Technologies: Linux, Networking, Apache, Perl, PHP, DHTML, CSS, JavaScript, LVS

McCormick & Co.

Programmer/Systems Administrator, April 2000 – October 2003

- Developed CRM software to handle product inquiries, B2B fulfillment, customer support issues, and direct marketing
- Designed, built, and administrated scalable Linux webhosting cluster
- Technologies: Linux, Networking, Apache, Perl, PHP, DHTML, CSS, JavaScript, LVS

UCR Housing

Residential Computing Consultant, July 2000 – February 2001

- Provided technical assistance to residence hall students and staff
- Developed thin client and server-side applications for use in residence hall computer labs
- Dealt with a variety of network related problems on the campus network
- Technologies: Linux, Networking, Perl