Freddy Guime   Somewhere, IL
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Best Feature

I'm able to learn, adapt, correlate and gather expertise extremely quickly for any technology and any company situation by using my highly technological background, my experience in business from school and work (MBA), and the creativity that comes from being exposed to all kinds of experience.

Work Overview

Year	Aug 1999 Aug 2004 (5)	Aug 2003 Aug 2008 (5)	**Aug 2008** **Present (4)**
Employer	AmericanEagle Software, Inc	University of Illinois at Chicago, School of Public Health	OptionsCity Software, Inc
Industry	Web Development / Commercial	Distance Learning / Education	Financial Industry / Options Trading Software
Duties performed	Created and maintained database-driven websites using a combination of html/asp/JavaScript and SQL Server	Organized and supervised the IT / Development department, creating and guiding on multiple .net projects (Learning Management Systems)	Managed the client-side presentation of the Options Trading application, optimizing for speed/performance (more than 50 thousands updates per second to be displayed seamlessly in the client-side) Came up with new ideas and directions for the Client Portion of the Options Trading Software (Metro Widgets)
Position before Leaving	Senior Programmer	IT Director	Director of Client Technology
Programming Languages	• ASP • ASP .net • HTML • Javascript	• ASP (**12 years**) • C# .net • VBScript • J2ME • HTML • JavaScript	• Java (**6 years**) • Swing/AWT • Perl • Python • PHP
Skills	• Web development skills / browser compatibility	• .net integration with other operations • Integration with local platforms (Oracle)	• Highly Concurrent environment • Troubleshooting JVM Crashes and performance issues • Creating custom Swing components driven for speed • Used ActiveMQ for a chatting System • Usability Expert (Steve Krug, Alan Cooper)
Database	• Sql Server	• SQL Server	• MySQL
Version Control	• None	• Visual SourceSafe • SourceGear Vault	• SVN
IDE	• TextPad • UltraEdit	• Visual Studio	• IntelliJ Idea • Eclipse • Vi
Tools	• Enterprise Manager • IIS	• Enterprise Manager • TrackIt • Query Analyzer	• YourKit Profiler • VisualVM/VisualGC
Tools/Secondary	• Adobe Photoshop • Adobe Illustrator	• Adobe Photoshop • Track-it • Test-Track-Pro	• Gimp • TeamCity • Jira • Crucible

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Developer's skills (Java)

Knowledge	Example	Situation
Deep knowledge of Multi-Threading in Java	Why messing with thread priorities can cause unintended starvation	A lower priority logging thread was holding up the application, as when it acquired the lock it didn't release because it was not scheduled to run
Understands Garbage Collections, generational sizing and performance implications	How to size Young, Tenured and Perm generations, and why. Also, how can you have memory leaks by following	Our server had 32 gb of memory and we needed to avoid full GC in the middle of the day
Understands Java Swing to create complex and responsive interfaces	Swing's Threading rule. Why do you override dolayout, repaint in custom Table Cellrenderers	Managed to make 10 JTables handle 10,000 updates, with conditional painting and logic in less than 100 ms
Understands Java's Timing and Language Idiosyncrasies	Resolution of currentTimesMillis vs nanoTime. Why is a bad idea to use a String as a locking object. Why constructors shouldn't do a lot.	Profiling at the nanosecond level in windows is difficult as there isn't coherence between core nano times
Deep understanding of deadlock/livelock	JPS, JMap, JStack and VisualVM dumps to analyze. How escaped locks happen.	Removed two nasty escaped locks within the application
Great architectural background	State, Observer, Dependency Injection, Factory, Decorator, Enteprise Integration Patterns (Messaging), Model-View-Presenter (preferred over MVC)	
Great understanding of Swing Nimbus	The thing is pretty but unusable without extensive Reflection/Hacking	Had to use reflection to enable and use 9 square caching on custom component
Deep understanding of Serialization / Deserialization	Pitfalls of ObjectOutputStream, Externalizable interface.	

Community Involvement / Presentations / Education

Java Pub House	Creator of the java pub house podcast (www.javapubhouse.com). A podcast dedicated to the Java Professional
JavaOne	Presented at JavaOne in 2012, 2011, 2010
Java 7 Recipes	Co-author of Java 7 Recipes book

University of Illinois at Chicago	MBA (2007)
Illinois Institute of Technology	B.S. Computer Science (1999)
Languages Spoken	English, Spanish (Native) French (Beginner)

Company Organizational Chart

University of Illinois at Chicago (50 employees in CADE)	OptionsCity Software, Inc (50 employees Total)
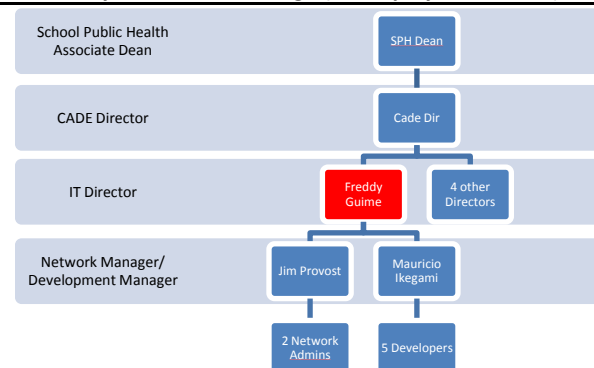
University of Illinois at Chicago org chart:
- School Public Health Associate Dean — SPH Dean
- CADE Director — Cade Dir
- IT Director — Freddy Guime, 4 other Directors
- Network Manager/Development Manager — Jim Provost, Mauricio Ikegami
- 2 Network Admins, 5 Developers

OptionsCity Software org chart:
- Optionscity CEO — CEO
- VP Of Development — VP Of Dev, VP of Sales/Vp of Operations
- Director of Client Technology — Freddy Guime, Director of Server Development, Director of Exchange Connectivity
- Senior/Junior Developers — Senior Developer, Junior Developer