

Sam Eldin

(847) 606-9999

5525 Mallard Lane, Hoffman Estates, Illinois 60192

Sam@SamEldin.com

CAREER SUMMARY

Over **11+ years** professional IT experience as a Sr. Software Engineer/Manager/Instructor with Object Oriented Analysis and Design (**OOAD**) and hands-on development expertise specializing in **Java/J2EE** web-based technologies and client/server solutions. Has been teaching/training students and professionals for over 11 years. Has the passion for teaching and training and volunteers as a football/weight-training coach for community youth centers in Chicago. Believes that building the next generation of professionals requires the academic and real world experience plus caring teachers who are entrusted with the responsibility of passing on their experience and knowledge. Had written a number of books for Java, C/C++, Operating systems, data structure, web design, web architect and Project Management (PM). Has the understanding that students and clients are the reason we are in business and serving them should be the goal of the academic and business institutions. Reading students' body languages, using questions/answers, creating well prepared lecture notes and demoing lecture material using GUI are some of the techniques implemented to help students understand class material. Has developed software and Project Management frameworks/packages with hands-on/online training courses. Had worked with business and academic institutions to set up career paths and curriculums and helped set up the standards for these institutions. Using the latest technologies, had created cost-effective development software, PM and teaching tools which are practical. Prepared business plans for academic institutions with real world projects where students develop these projects and get real world experience. Working on new tools and frameworks using the latest open source Java technology and planning on developing courses and tools for academic and business institutions. Working on tools and frameworks that tie PM & IT and prepares students and professionals for handling the PM & Software development with hands-on and with real world problems as examples.

PROFESSIONAL AND BUSINESS EXPERIENCE

Experience-Technology-Years Summary Matrix:

Tiers	J2EE	Yrs	Platforms	Design Patterns
Client-Side	Applet/HTML(AWT)	5	Windows	Façade , Command
	JSP/HTML/JavaScript	5		
	Applet/HTML(Swing)	1		
Server Side	Servlets	>10	Apache Tomcat, Tomcat	MVC, Proxy
	JSP	5	AS400, WebSphere	
	TCP/IP	1		
Business Logic	Core Java	>10	UNIX, NT, WebSphere,	Singleton, Observer, Adapter, Template, State, Composite, Factory, Abstract Factory
	Threads/SwingWorker	1	Application Servers	
Database-Side	JDBC-SQL	5	UNIX Oracle, NT SQL,	Interpreter , Singleton, Adapter, Observer, Factory, Abstract Factory , Chain of Responsibility
	XML	2	AS400 DB2, Windows	
	SAX, JAXB	1	MS Access	
Client/Server	AWT, Swing	10	UNIX, NT, Application	All the above
	Core Java	>10	Servers, WebSphere,	
	JNDI/NJCL/JavaMail	1	AS400	
	XML	2		
	RMI	1		

Applications	C/C++	Yrs	Platforms	Programming
Client/Server	Borland C++,	4	Windows, NT	Object Oriented Programming, Procedure Programming
	MS Visual C++	4	Windows, NT	
	ANSI C, Borland C	10	UNIX, Windows	
Database-Side	MS Access	4	Windows	
	INFORMIX database	1	UNIX	

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Experience-Teaching-Years Summary Matrix:

Institution	Subject	Yrs	Platforms/ <u>Audience</u>	Courses
Walgreens	Software for helpdesk	1	Windows, UNIX/ <u>Professionals</u>	Online Training
ZebraSoft.com	Java, web, eCommerce	3	Windows, UNIX/ <u>Professionals</u>	Introduction, hands-on application
	Project Management	3		
	Web Architect			
CBSI	Java, web, eCommerce	3	Windows, UNIX/ <u>Professionals</u>	Introduction, hands-on application
	Project Management	1		
	C/C++			
Harper College	C/C++, Pascal	5	UNIX, NT, UNIX/ <u>College Students</u>	Introduction, 200 level courses
Oakton College	C/C++, Pascal	2	Windows/ <u>College Students</u>	Introduction

July 2009 to present – Freelancing

Position: J2EE Lead Architect/Analyst/Java Developer

- Credit Repair, Credit Protection and Debt Settlement are currently the most active business due to the fact that 70 million Americans have problems with their credit.
- Performed research, analysis, and the requirement
- Prepared training material for the development and testing teams.
- Creating and maintaining system documentation.
- Technology used: Java, J2EE, e-Commerce design, JBoss, Hibernate, MS SQL Server, JOSSO, Perforce, UML, HTML, XML, JavaScript and JavaServer Faces.

November 2008 to July 2009 - ADP

Position: J2EE Architect/Developer/Java Developer

- ADP DealerSuite (DS) application is a Dealer Management System, serving dealerships of all sizes. DS is a Java-Web based application with services that run on Apache Tomcat 6 and developed using JBoss application framework, Hibernate, JOSSO for security, and MS SQL Server.
- Creating and maintaining system documentation.
- Technology used: Java, J2EE, e-Commerce design, JBoss, Hibernate, MS SQL Server, JOSSO, Perforce, UML, HTML, XML, JavaScript and JavaServer Faces.

May 2007 to November 2008 - Walgreens

Position: J2EE Architect/Lead Java Engineer/Java Developer

- Responsible for designing, developing, managing, writing, implementing and maintaining multi-tiered applications.
- Architect/Design as a framework with reusable components for future systems.
- Architect/design and developed a Swing framework using Façade Design Pattern, which is used to create Swing prototypes.
- Creating and maintaining system documentation.
- Creating online training for employees to help with the new Walgreens software tools and services.
- Technology used: Java, J2EE, e-Commerce design, IBM WebSphere, Swing, Walgreens SDF, UML, HTML, XML, JavaScript, SAX and JAXB.

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October 2000 to May 2007 - ZebraSoft.com

Position: Lead Java Developer (J2EE Web and Business Tiers)/Java Developer

- Responsible for designing, developing, managing, writing, implementing, and maintaining multi-tiered applications.
- Duties include requirement analysis, design, implementation, testing, integration and maintenance of applications to meet strategic business goals and client needs using OO approach, Design Pattern, web, Java Applets, Swing, AWT, Servlets and JDBC. Designed and implementing system components and interfaces.
- Designed and developed JDBC classes that provide cross-DBMS connectivity to a wide range of SQL databases – DB2, Oracle, Sybase, dBase, MS Access, FoxPro and MySQL.
- Using Java Reflection and JavaBeans to develop a Design Pattern Interpreter Framework to access to a wide range of SQL databases. Interpreter Framework is a homegrown that mimics Hibernate.
- Performing Front-end Design and responsible for helping to establish standards and a consistent "look and feel" for developing Java Swing application for web and client/server applications.
- Architect/design and developed a Swing framework using Façade Design Pattern, which is used to create Swing prototypes.
- Creating Java Runtime Applications that connects to a wide range of SQL databases
- Prepared and instructed training courses on Java, e- Commerce design, PM, HTM/JavaScript, C, C++, UML and RUP courses.
- Developed software and Project Management (PM) frameworks/packages, hands-on/online training courses.
- Teaching/training students and professionals on Design Patterns frameworks and ZebraSoft packages
- Prepared business plans for real world projects where students develop these projects and get hands-on experience.
- Prepared new tools and frameworks using the latest open source Java technology and planning on developing courses and tools for academic and business institutions.
- Technology used: Java, J2EE, e-Commerce design, Design Patterns, Swing, SwingWorker, Servlets, JavaMail, ZebraSoft Framework, JNDI/NJCL, Java Studio Enterprise, IBM WebSphere, Apache Tomcat, IBM-VisualAge for Java, Applets, AWT, JDBC, HTML, XML and JavaScript.

November 1997 to October 2000 - CBSI

Position: Java, C and C++ Architect/Lead Java Engineer/Developer

- Provided the architect leads, and coordinates project activities.
- Architect/design B2C and B2B application.
- Provided technical lead and technologies transfer plus performed the system architect and design.
- As a part of this effort, trained both junior and senior developers on RUP and software development.
- Created and set project specifications and developer teams.
- Structured the management approach and processes.
- As a part of this effort, developed Java packages and classes for both the front and middle tiers utilizing Java SQL and Swing.
- Designed and developed the middle tier, which managed the data flow, tracked processes and collected management information.
- Designed and developed debugging tools and data dump.
- Prepared, trained and mentored a team of project junior developers, managers and business analysts on web design, Java, HTML and RUP.
- Mentored developers on Java.
- Technology used: Java, AWT, RMI, JDBC, RUP, UML, and IBM-VisualAge, Rational Rose, and HTML.

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September 1989 to November 1993 – Harper College and Oakton Community College

Position: Professor of Computer Science

- Teaching and tutoring at W. R. Harper College, Palatine, Illinois and Oakton Community College, Des Plaines, Illinois.
- Taught Programming Language Courses - C and C++
- Taught hands on Operating System Courses – Unix, Windows NT and DOS.
- Instructor for Data Structure Courses

EDUCATION and PROFESSIONAL DEVELOPMENT

- Earned a Masters degree in Computer Science from University of Illinois - 1989.
- Earned a Bachelor of Science in Mathematics & Chemistry from University of Illinois, Chicago, Illinois - 1986.

Technical Training:

- E-Business & E-Commerce
- E-Business Technical Foundation (Web Architecture Workshop)
- E-Business Methodology using Rational Unified Process
- Object Oriented & Unified Modeling Language Technology
- Unified Modeling Language & Rational Rose
- Rational Unified Process
- Project Management Techniques
- Java Training
- AWT and JFC swing
- Object Oriented Design