

## Eileen Sauer

2830 Pahokee Trace  
Birmingham, Alabama 35243

phone: (205) 746-5599  
email: [eileen.sauer@mac.com](mailto:eileen.sauer@mac.com)  
website: <http://www.volantec.biz>

### **Sun certified Java programmer/developer; business/systems analyst; trainer; LMT; real estate investor**

Ms. Sauer has over 19 years in IT with experience in requirements gathering, design, development, technical training, business and systems analysis, testing, usability, and technical communications. She has used Java based technologies since 1996; early Java development was done in an environment where developers had a Smalltalk background.

Domain experience has included healthcare, insurance, payment/banking, telecommunications, order/inventory management, auction, partner integration, etc.

**DATABASES:** Oracle 8i, Sybase, DB2, Tandem

**LANGUAGES/WEB:** Java JDK, J2EE, Servlets, Swing, JSP, JNDI, JNI, JDBC, JMS, JGL, HTML, XML, CSS, SOAP, GLUE, RMI, Sockets, Reflection, AWT, C++, C

**SOFTWARE:** iRise, iReport, Together/J, ArgoUML, Rational Rose, Visual Age for Java, Eclipse, XMLSpy, Apache JServ, WebLogic, Cocobase, eXcelon, Visibroker for Java, MS Office Suite (Word, Excel, PowerPoint)

**METHODOLOGIES:** UML, Design Patterns, Refactoring, Agile Software Development/XP, Use Cases, CORBA

**ENVIRONMENTS:** UNIX (Solaris, Sun OS), Windows NT/2000/XP, Mac OS X

**CERTIFICATIONS:** Sun certified Java JDK 1.1 Programmer (Oct. 1997), Sun certified Java JDK 1.1 Developer (Oct. 1999) and Sun certified Java 1.2 Architect (Aug. 1999).

## Experience

### **WINWIN ASSETS, LLC., BIRMINGHAM, AL**

Partner, 2/2007 – present

Currently working as a full-time real estate investor focusing on rent-to-own and Section 8 primarily in Jefferson county, Alabama:

- Attended real estate training seminars
- Created a bank loan request package
- Negotiated with banks to obtain a line of credit and term loan financing
- Purchased the first true investment house in August 2007 (to add to our own home and a rent-to-own home in Tampa, FL)
- Bought four investment single family homes as of 4/2008, three are REOs
- Managed a rehab crew
- Rehabbed three houses and are working on the fourth

- Placed rent-to-own or Section 8 tenants in three houses
- Negotiated a deal on a duplex
- Technologies used: Quickbooks, MacBook, Numbers

### **DST HEALTH SOLUTIONS, BIRMINGHAM, AL**

Technical communications, productivity engineering, etc., 10/2005 – 2/2007

Worked in SIRD (Strategic Investment, Research & Development):

- Trained and mentored COBOL developers in OOAD, UML and Java
- Wrote short tutorials for the non-technical community, and technical tutorials on PowerChoice applications, Eclipse, Subversion, etc.
- Created iRise simulations (usability engineering):
  - Developed scenarios and simulations
  - Captured functional requirements in iRise Studio and Protege knowledge management tool
- Supported and documented hardware and build environment for productivity engineering
- Wrote technical communications
- Performed business testing
- Attended Crucial Conversations Workshop (VitaSmart), PAHM certified (healthcare)
- Technologies used: iRise, iReport, Moodle (CBT), Java, JDBC, Protege, FreeMind, Together/J, Subversion, Eclipse.

### **VOLANTEC.BIZ, INC., TAMPA, FL**

President and CEO, 4/2002 - 10/2005

- Worked on high-level architecture specifications for The Media Factory for six music-related websites
- Created course design for Java, object-oriented, distributed computing, and methodologies courseware
- Taught Java, object-oriented, and distributed computing concepts to corporate clients in St. Pete and Tampa.
- Attended AOSD 2002, the first international conference/tutorials on Aspect-Oriented Software Development; first encountered aspect technology at OOPSLA October 2001

### **Consultant to Blue Cross Blue Shield of Florida, Jacksonville, FL**

Systems/Business Analyst 7/2002 – 2/2003

- Gathered requirements for the initial release of PHA (Personal Health Account), a new self-directed health plan product that needed to be designed and integrated into the Blue Cross infrastructure
- Performed business analysis for PHA administration included enrollment, claims adjudication, payment/banking, inquiry control, legal and regulatory (e.g. HIPAA compliance), COBRA, self-service, auditing and monitoring
- Evaluated business requirements for other areas including product design, sales process, status changes, and care navigation
- Systems analysis included web architecture, security architecture, service

delivery and support, disaster recovery, system and data interfaces, including current assessment, risk analysis, gap analysis, and migration strategy from standalone system to integrated into the Empower platform.

### **THE MIDDLEWARE COMPANY, AUSTIN, TX**

Senior Technology Partner, 10/2000 - 3/2002

- Built part of an auction system using EJB 2.0, web architecture, and J2EE design patterns and best practices
- Wrote EJB 2.0 Exception Matrix, CMP in EJB 2.0, "Why Aspect Programming?"
- Provided training and consulting services to corporate clients (BEA WebLogic and Oracle 9iAS/OC4J)
- Developed training materials and labs (wrote the following modules: VAJ tutorial, Advanced Java Concepts, Best Practices, two day Java/J2EE Overview course for non-programmers, GLUE)
- Mentored new hires
- Evaluated new emerging tools, application servers, and technologies
- Developed architecture-driven processes, designs and implementations using Java, J2EE, EJB and XML technologies
- Technologies used: Java, J2EE, EJB, XML, WebLogic, Oracle 8i, JBoss, Apache, Together/J.

### **EMPRISE COMPUTING, INC., TAMPA, FL**

President and CEO, 1994 - 10/2000

**9/2000**

Attended training in DOORS 5.0 (QSS).

### **Consultant to GemStone, Portland, OR 4/2000 - 8/2000**

- Attended training in EJB using GemStone/J, and GemStone/J Management and Tuning
- Consulted at **Buildscape.com** in Jacksonville on a B2B, supply chain management system for professional builders and suppliers
- Performed business analysis, created use cases, and ran JAD sessions for order management, supplier integration, security, workflow, auctions and customer care
- Set up system and information architecture, including an enterprise-wide business object model
- Created a meta-data dictionary used to dynamically create UIs to handle adding a new supplier to the system
- Technologies used: JAD, EJB, Together/J, DXML, XMLSpy.

### **Consultant to ecampus.com, Lexington, KY 2/2000 - 3/2000**

- Website specialized in online sales of college books and merchandise
- Performed business analysis for order management, inventory management, warehouse management and demand/supply fulfillment
- Architected a migration strategy to EJB
- Technologies used: Java JDK1.2, Rational Rose, Apache WebServer, Apache JServ,

Oracle 8i.

### **Consultant to The Technical Resource Connection, Tampa, FL 10/1999 - 2/2000**

- Worked on a distributed object system to generate quick and full quotes for insurance policies
- Worked on the mid-tier, business services. Java, Rational Rose, EJB using WebLogic, JDK1.2, Cocobase (ORM), DB2
- Mentored client's IT staff on the business services layer
- Mentored the front end team in developing on this new architecture using servlets, eXcelon, XML, XSL, DXML (ObjectSpace), HTML
- Connected front end to CICS through CORBA

### **Personal Project 7/1999 - 9/1999**

- Trained in Java technology Architecture Planning and Design (Sun), Visibroker for Java (Inprise).
- Certified as a Sun Java 1.2 Architect.
- Completed Java JDK 1.1 Developer assignment and exam.
- Designed and implemented a stock inventory system using sockets, multi-threading and AWT
- Modified the stock inventory system to use Visibroker instead of sockets and multi-threading (TIE approach, smart agents, structs, interceptors, etc.)
- Modified the stock inventory system to use RMI
- Wrote the EJB 1.1 Specification Matrix

### **Consultant to Chase, Tampa, FL 8/1998 - 6/1999**

Worked on a system to handle electronic bill presentment and payment between billers and end consumers. This was Chase Tampa's first e-commerce attempt.

- Mentored management and staff to assist in the transition from mainframe environment to a distributed, object-oriented environment
- Wrote a framework which served as an interface between various electronic data sources, the Oracle database and Tandem legacy systems using Java JDK 1.1.6+ and Visual Age for Java
- Used the framework, JDBC and the Oracle Beans API to retrieve data from Oracle and update the Tandem system and vice versa
- Created graphic administrative tools using Java AWT and Swing for monitoring data
- Created utilities to auto-generate HTML documentation and comments on the database schema
- Created user interface templates using HTML, Javascript, CSS, Oracle, JDBC and Java

### **Consultant to GTE, Tampa, FL 3/1998 - 7/1998**

- Wrote a generic data filter using Java JDK 1.5.5+ using Visual Age for Java, PowerJ on Windows NT
- Wrote a generic data access API using JNI, RMI and Reflection
- Used both applications as examples when guiding the client's staff toward using more OO methodologies
- Researched servlets, JDK 1.2 and Netscape Enterprise Server for future use.

### **Consultant to Protel, Lakeland, FL 11/1997 - 2/1998**

- Wrote a teleconferencing management system in Java JDK 1.1.3+ using Visual Age for Java on Windows NT 4.0. Front end communicated with an Oracle webserver.

### **Consultant to The Vanguard Group, Devon, PA 1/1997 - 10/1997**

- Wrote portions of a front end application tracking fund information and client orders using Java JDK 1.1+, JGL 2.0 and a VisualWorks-like MVC framework on Windows NT 4.0.
- Created training guides for the core architectural components.

### **Consultant to Morgan Stanley, Tokyo and Hong Kong, 6/1996 - 11/1996**

- Troubleshot C++ applications (risk management system) and Sybase database design
- Trained client in UNIX, C, Sybase, X, Motif, C++, OOA/D, in-house business applications

### **Consultant to Bluestone, Mt. Laurel, NJ, 8/1994 - 6/1996**

- Trained clients in Sybase, X, Motif, C++, UIM/X, db-UIM/X
- Worked on Sybase database design (trouble ticket tracking system).

### **Consultant for various customers, 9/1994 - 8/1996**

- Clients included Chubb (TopGun Training Program), Instruction Set, CGS, Magic Solutions
- Authored two courses: "Intro to Sybase SQL", "Fundamentals/Advanced Topics of Sybase".

### **AT&T, SHORT HILLS, NJ**

Systems Architect/Project Lead, 5/1993 - 11/1994

- Led video telephony project on UNIX, PC platforms using Sybase.
- Performed requirements analysis, prototyping, designing, coding, testing, documentation and training.
- Technologies used: Forest & Trees, Windows, UNIX, C, C++ and Sybase on the AT&T StarStation and StarServer E.

### **MERRILL LYNCH, PIERCE, FENNER & SMITH, INC., NYC, NY**

Systems Architect, 8/1991 - 5/1993

Sample applications (Fixed Income Analytics area):

- Wrote interface to track mortgage trades
- Wrote pricing collector and validator to validate pricing information from Telerate, Reuters and Bloomberg
- Created price/yield calculator using TIPs for bond calculations to calculate

derivative information (risk factors, volatility, etc.)

- Created workstation interface for APL applications to run Sybase queries dynamically (wrote the UNIX portion of the interface)
- Performed requirements analysis, prototyping, designing, coding, testing, documentation and training
- Technologies used: UNIX, C, Sybase and Motif, Sun Workstations.

## **ACCURATE INFORMATION SYSTEMS, INC., S. PLAINFIELD, NJ**

AMTS, 10/1988 - 8/1991

- Automated processing of training forms for armament courses at Picatinny Arsenal Coded, tested, documented, installed, trained, and troubleshot for production and development environments
- Technologies used: BSD UNIX, C, Sybase, JYACC, Pyramid.

## **VIKONICS, SECAUCUS, NJ**

Programmer, 10/1986 - 10/1988

- Maintained software for security systems featuring access control, intrusion detection, alarm monitoring, CCTV surveillance and logging functions in a distributed security network.

## **Publications**

- Contributing author, Java 2 Certification Guide, Syngress Media, February 2000
- EJB Specification Matrix on [www.TheServerSide.com](http://www.TheServerSide.com), 80,000+ downloads
- Articles/whitepapers: "Why Use Object-Oriented Technology?", "Casting Objects", "Why Use Aspect-Oriented Technology?", "EJB 2.0 CMP", co-author of "A Vision for Web Architecture", "HP-AS/WebLogic Server Migration"

## **Education**

Bachelor of Science in Math/Computer Science, University of Notre Dame, 1986