

# Roxie Rochat

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## Summary of qualifications

- 20 years object-oriented design and development experience, including 6.5 years Java, 11.5 years Smalltalk, 1 year Eiffel, 1.5 years C++.
- Expertise in all phases of the product lifecycle, focusing on customer needs / requirements and front-end systems.
- Proven ability to deliver well-documented, high-quality products with attention to detail.
- Exceptional communication skills and the ability to work with diverse teams or autonomously.

## Work experience

1999 - 2003

Austin, TX

### Senior Software Developer

- Designed and implemented NetBeans portion of new GUI for hardware/software system design product.
- Developed extensive experience customizing and extending NetBeans IDE framework.
- Designed and implemented XML DTDs, servlets, and JSPs for Journée's Service Stream Platform 1.0.
- Revised Java and Javadoc coding standards.
- Designed and implemented Swing-based table and tree views in next generation system design product.
- Participated in requirements analysis and design of next generation system design product.
- Co-designed and implemented Java credit card authorization and settlement module for Internet commerce, achieving certification on first attempt.
- Software development environments included Java, NetBeans, VisualAge for Java, Forte, Symantec Café, JLOOX graphics toolkit, Ant, Struts 1.0, IBM WebSphere Application Server, and MagicDraw and ObjectDesign UML Modeling Tools on Windows 2000 and NT.

1996 - 1999

Austin, TX

### Senior Developer/Consultant

- Developed and maintained jKit/Grid products for jKit/Grid and jKit/GO (sophisticated Java table and graphics frameworks).
- Prototyped VisualWave ENVY (collaborative component development system) Smalltalk and developed VisualWave 2.0 JavaScript support.
- Software development environments included Java, VisualAge for Java, Symantec Café, JBuilder, Perl 5, FrontPage, and VisualWave on UNIX and Windows NT.

1992 - 1995

Austin, TX

### Software Engineer/Consultant

- Implemented Smalltalk Interface for UniSQL object-relational database in ENVY.

**Work experience,  
continued**

- Provided analysis, design, implementation, testing, and documentation services for Smalltalk products.
- Designed and implemented Subpanes/V components in PARTS (a visual programming development environment).
- Revised Team/V (Smalltalk configuration management tool) User's Guide.
- Designed and implemented Team/V testing framework.
- Prototyped, designed, and wrote specifications for configuration management of process control system.
- Software development environments included VisualWorks 2.0, ENVY, PARTS, Objectworks/Smalltalk 4.1, OMT' OOAD methodology, and Smalltalk/V on Windows, AIX, and OS/2.

1990 - 1992

Santa Barbara, CA

**Software Engineer/Consultant**

- Co-authored Digital's User's Guide and Script Language Guide for the PARTS Workbench for OS/2.
- Coordinated marketing, engineering, and customer support activities.
- Ported Eiffel compiler and environment tools to IBM, Apple, and 386 platforms.
- Established quality assurance procedures and revised product documentation.
- Software development environments included Smalltalk/V, Eiffel and 'C' on UNIX, Windows, and OS/2.

1980 - 1990

Beaverton, OR

**Software Engineer**

- Implemented a C++ visual programming interface for a scientific visualization system.
- Designed and implemented key portions of Tektronix Color Smalltalk.
- Organized monthly Smalltalk Users' Group meetings, initiated Smalltalk customer hotline, and resolved technical problems for Smalltalk customers.
- Software development environments included Tektronix Smalltalk, C++, and 'C' on Tektronix workstations, VAX780, and UNIX.

**Education**

1980

Kansas State University

Manhattan, KS

**MS in Computer Science**

1978

Kansas State University

Manhattan, KS

**Bachelor of Music in Applied Music *summa cum laude***

**Publications**

Roxanna Rochat, Juanita Ewing, "Smalltalk Debugging Techniques," The Smalltalk Report, July 1993.

Roxanna Rochat, "To Build a Pattern Language for Smalltalk Programs," Tektronix Technical Report, Dec. 1998.

Roxanna Rochat, "In Search of Good Smalltalk Programming Style," Tektronix Technical Report, Sept. 1986, ACM OOPSLA-86, Poster Session Paper.