

# **Dr. Carolyn Turbyfill**

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**SUMMARY:** Technical Executive with 20 years of experience in: Security; Enterprise Products and Services; Compliance; Database, Strategy and Roadmaps; management of multiple groups in domestic and international locations; startups and turnarounds.

## **WORK EXPERIENCE**

### **RCR Inc., Tigard, Oregon**

*CEO, 2004*

Repositioned company to high tech consulting and smartsourcing of custom Russian teams. Leading WITI WAI TO GO Initiative to empower women of Afghanistan and Iraq through technology.

### **Immunix Inc., Portland, Oregon**

*Vice-President, Engineering, 2003*

- Shipped 5 soft security appliances in 6 months.
- Established schedules and uniform development practices and infrastructure across research and development groups.

### **Counterpane Internet Security, Cupertino, California**

*Vice-President, Engineering, 2001 to 2002*

- Managed Roadmap, service development, corporate IT and production IT.
- Took Remedy to unprecedented performance levels.
- Developed plan scale service to 1,000 customers.
- Service had 100% uptime in 2002.
- Instituted software development processes that enabled daily updates to the service.

*Director of Software, 2000 to 2001*

- Instituted daily shift change calls with the secure operations center, on call processes for IT and development.
- Eliminated customer visible failures of sentries
- Documented customer experience across customer lifecycle.

### **Atlantes, Menlo Park, California**

*Vice-President, Engineering, 1999 to 2000*

Developed wireless consumer Internet appliance/service for secure, unattended home pickups and deliveries.

### **First Virtual Holdings, Inc., San Diego, California**

*Vice-President, Engineering and Operations, 1997 to 1998*

- Managed service operation and development teams, IT and a java applet team for interactive email marketing offers.
- Closed one remote site; restructured engineering and operations.
- Redefined architecture as an Interactive Messaging Platform.
- Instituted cross-functional processes for product and business development.
- Worked with marketing to close key customers and sell the company to Softbank.

## **Pretty Good Privacy, Inc, San Mateo, California**

### ***Vice-President, Research and Development, 1996 to 1997***

- Managed R&D, IT, customer support and operations.
- In 7 months, hired 24 people, rescued PGPmail 4.5 from an acquired company, put 3 products into Beta, and the next version of PGP into alpha.
- Developed export compliance policies
- Published and distributed PGP source-code book and newsletter.
- Brought in 1/3 of Q1 total revenue goal in through international sales of PGP trademark license.

## **Sun Microsystems Inc., Mountain View, California 1988-1996**

### ***Director, Network Services, 1994 to 1996***

- Built SunScreen, one of the first firewall appliances, SunScreen SPF-100 (named 1996 Firewall of the Year by LAN magazine) and SKIP, one of the first commercial Virtual Private Networks (VPN's)
- In 18 months, built 25 person engineering team, defined and shipped the SunScreen SPF-100, SKIP, SunScreen Administration Station and an offline certification authority.
- Managed team working in 6 sites across 4 countries on budget of \$4 million. □
- Work with the CSPP on lobbying for change of U.S. export controls with respect to encryption

### ***Nomadic Architect, 1992 to 1993***

- Managed wireless LAN project.
- Initiated and managed joint development with a Russian company, ELVIS+ that resulted in patentable antenna and radio that were built in Minsk, Belarus with funding from the U.S. Defense Nuclear Agency.
- Managed a budget of 1.5 million dollars

### ***Server Systems Architect, 1990 to 1992***

- Developed the 1990 'Client-Service' server strategy.
- Developed design metrics for balancing the performance of disk, memory and network subsystem.
- Developed and promoted inter-company list of hardware and software products and features required for servers and achieved a 90% completion rate of recommended projects.

### ***Member of Technical Staff, 1988 to 1990***

- Evaluated I/O performance across the Sun product line, shipping 6 products in 4 months.
- Produced performance documentation for use by engineering and marketing.

## **Tandem Computers, Cupertino, California**

### ***Software Designer, 1977 to 1978***

## **U.S. Peace Corps, South Korea**

### ***Volunteer, Hansen's disease Control, 1978 to 1980***

## **AFFILIATIONS**

***AEA, WITI (1989 Founding Member and First President), WHTC***

## **EDUCATION**

**Cornell University, Ithaca, New York**

*Ph.D., 1987 Major: Computer Science*

**University of Wisconsin, Madison Wisconsin**

*M. Sc., 1983 Major: Computer Science*

**University of North Carolina, Chapel Hill, North Carolina**

*B.A., 1977 Major: Psychology Phi Beta Kappa, magna cum laude*

## **PUBLICATIONS and ARTICLES**

‘Benchmarking Database Systems, a Systematic Approach’ with D. Bitton, D. DeWitt, Proceedings of the Ninth International Conference on Very Large Databases November 1983.

‘Main Memory Database Support for Office Systems: A Performance Study’ with D. Bitton, IFIP TC8 Conference on Methods and Tools for Office Systems, October 1986.

‘Performance of Complex Queries in Main Memory Database Systems’ with D. Bitton and M. Hanrahan, Proceedings of the Third International Conference on Data Engineering, February, 1987.

COMPARATIVE BENCHMARKING OF RELATIONAL DATABASE SYSTEMS, Ph. D. Thesis, Technical Report 87-871, Cornell University, September 1987.

‘Disk Performance and Access Patterns for Mixed Database Workloads’, IEEE Quarterly Bulletin on Database Engineering, March 1988.

‘A Retrospective on the Wisconsin Benchmark’ with D. Bitton, READINGS IN DATABASE SYSTEMS, edited by M. Stonebraker, Morgan Kaufmann Publishers, Inc., 1988.

‘AS3AP: An ANSI SQL Standard Scalable and Portable Benchmark for Relational Database Systems’ with C. Orji and D. Bitton, THE BENCHMARK HANDBOOK FOR DATABASE AND TRANSACTION PROCESSING SYSTEMS, Morgan Kaufmann Publishers, Inc., 1991

‘The Eight Pitfalls of Network Computing’ presented online at the VirtualBanking2000 Conference ([www.virtualbanking2000.com](http://www.virtualbanking2000.com)).

‘Adventures in Open Source and Security,’ published at the first Invitation only Executive Women’s Forum for Women in Security, September 2003.