

Gary D. Duzan

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Technical Skills

Programming Languages: Java, Python, C, C++.

Operating Systems: Linux, Unix (AIX, Solaris, SCO), BSD, Windows.

Other: JMS, Spring, Eclipse, XML, XML Schema, CORBA, CORBA Components (CCM), Real Time CORBA, Databases (Sybase, Informix, Oracle).

Leadership Skills

Technical Lead, Lead Systems Integrator, Mentor.

Employment History**Principal Staff Software Engineer**

Motorola Home & Network Mobility (Horsham, PA)

December 2005–Present

Member of the DAC development team, which is responsible for supporting and enhancing the DAC-6000 and related products. The DAC-6000 is a server product which manages digital cable network configuration and access control.

Projects:

- Investigate and prototype future IP-based video products
- Enhance and maintain new web-based UI
- Enhance and maintain legacy server code
- Add system integration feature (project lead)
- Support fielded software
- Assist other team members with technical issues

Software Developer

BBN Technologies (Cambridge, MA)

July 2001–December 2005

Member of the Quality Objects (QuO) group, investigating technologies for adaptive quality of service (QoS) management using middleware.

Projects:

- ARMS -- Demonstrate technologies for dynamic real-time application management in a shipboard environment
- JBI/QoS -- Demonstrate the application of QoS management technologies to a publish/subscribe environment
- PCES -- Demonstrate the application of QoS management technologies to an image and video transmission application

Member of Technical Staff

GTE/Verizon Laboratories (Waltham, MA)

June 1996–July 2001

Member of the Performance Management group of the Operations Systems Laboratory, which was responsible for building and supporting network performance management software for internal GTE/Verizon and affiliated customers.

Projects:

- TIPS Reporting -- customer-oriented network management reports for Service-Level Agreements
- TIPS Monitoring -- real-time processing and monitoring of network performance data
- TIAS -- real-time network performance collection and correlation

Education

MS in Computer Science, 1997

Northeastern University

Overall GPA: 4.0

Subjects: Programming Languages and Compilers (Primary Concentration), Systems Software (Distributed Operating Systems, Databases) (Secondary Concentration).

BS in Computer and Information Sciences, 1991
University of Delaware

Professional Memberships

Professional Memberships

Association for Computing Machinery (ACM)

1989–Present

ACM Special Interest Group on Operating Systems (SIGOPS)

1990–Present

ACM Special Interest Group on Programming Languages (SIGPLAN)

1996–Present

Publications

- Gary Duzan, Joseph Loyall, Richard Schantz, Richard Shapiro, John Zinky. "Building adaptive distributed applications with middleware and aspects". *International Conference on Aspect-Oriented Software Development*. 2004.