

Mohamed Mansour

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Objective

Seeking a position within an advanced development group or a research lab to leverage my research skills and industry leadership experience to develop next generation systems and middleware technologies.

Education

Ph.D. Computer Science, College of Computing

Georgia Institute of Technology, Atlanta, GA

Expected graduation date: May 2007

Graduate Certificate in Management of Technology (MOT), College of Management

Georgia Institute of Technology, Atlanta, GA

Expected graduation date: May 2007

8/1995 University of Louisville, Louisville, KY

M.Sc. in Engineering Math and Computer Science, GPA 4.0

6/1991 Ain-Shams University, Cairo, Egypt

B.Sc. Electronics and Communications, GPA 3.5 with honors

Skills

Autonomic computing, distributed computing, middleware.

J2EE, Websphere ND 6, Rational Application Developer. Web Services, Apache Axis, WSDL, XML, Soap, ESB, SOA, JBI, SCA. Java, C/C++, SQL, Oracle, DB2

Work Experience

Summer 2006 Worldspan, L.P.

Intern

Research autonomic performance management in Worldspan's ePricing engine. Research from January to August 2006 included trace analysis and on-site experimentation with production software as well as interviewing product managers and lead developers to collect domain expertise. Results published in one major conference paper, two technical reports, and one journal paper under submission.

3/2006 – present Delta Technology (wholly owned subsidiary of Delta Airlines)

Intern

- Review several enterprise systems for opportunities to provide higher level of access to business ad-hoc users in a production revenue reporting system.
- Advisory role in redesigning their main web portal around SOA using JBI standards.

8/2002 – present *College of Computing, Georgia Institute of Technology*

Graduate Research Assistant

Research performance isolation issues in information flow enterprise systems with application to WebSphere Application Server. Project included hacking the IIOP in Websphere V5 and V6 by a combination of reverse compilation and constructor injection to apply the required modifications. Results showed 56% improvement in response time under adverse operating conditions. Duties also included running Websphere ND on research cluster.

6/2001 - 8/2002 *Manugistics, Atlanta, GA*

Lead Software Developer

Responsibilities included design and implementation of enterprise systems using C++, Java, and J2EE. Sample projects included leading a team to design and implement a C++ data caching layer (team of 4, 8 months) and leading a team on integrating a backend CORBA C++ server with a Weblogic J2EE front-end (team of 2, 6 months).

Other responsibilities included running the team's internal database engines (DB2 and Oracle) as well as training quality assurance and testing personnel on database administration tasks.

8/1995 – 6/2001 *Partminer/IHS/IQExpert/ICI, Atlanta, GA*

Systems Analyst

Design and develop back-end cross-platform multi-threaded servers for a supplier management solution. Used C++ and CORBA middleware to implement a solution for creating, maintaining and searching a large schema of procurement items and their suppliers.

Sample Publications

(Full list available on my website)

Mohamed Mansour, Karsten Schwan, and Sameh Abdel Aziz, "**I-Queue: Smart Queues for Service Management**," ICSOC '06

Mohamed Mansour and Karsten Schwan, "**I-RMI: Performance Isolation in Information Flow Applications**," short paper *Middleware '05*

Other Information

Authorized to work for any employer in the US. No sponsorship needed.

References

Furnished upon request

