

Tony Hagale

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Education

B.S. Computer Science and Engineering, University of Notre Dame, 2003
Minor in Mediterranean and Middle Eastern Studies
Primary research areas: networked and distributed systems, parasitic computing

Certificate in Le Cordon Bleu Culinary Arts, Le Cordon Bleu, May 2012
Le Cordon Bleu Honor Society, Eta Sigma Delta

Strake Jesuit College Preparatory, 1999

Employment

Innography, Inc
Director of Engineering

Austin, TX
August 2012–Present

I'm responsible for Innography's latest and greatest research and development efforts. In addition, I continue to have responsibility for Innography's product and IT infrastructure.

Innography, Inc
Director of Data

Austin, TX
November 2008–August 2012

I led and managed the data team at Innography. I had development, operations and management responsibility for all function "behind the web layer" and for the folks who created the magic.

I used a combination of ETL techniques and custom normalization schemes to create and maintain a multi-terabyte business intelligence database comprising virtually every patent ever issued as well as all relevant litigation and firmographic data.

I also had responsibility for all infrastructure concerns for our production and development environments.

IBM Corporation, Sales & Distribution
Solution Architect, Energy & Utilities

Chicago, IL
January 2008–November 2008

I created the Component Business Model that describes all of IBM's business and strategy offerings in the Energy & Utilities sector.

I reported up through Sales & Distribution, but was responsible for IBM's global Energy & Utilities interests in every IBM division.

IBM Corporation, Software Group
Technical Opportunity Manager

Austin, TX
May 2006–January 2008

I conceived, researched and scoped the business and technical requirements of customer opportunities for IBM's Software Services for WebSphere. I negotiated and authored technically accurate Statements of Work and contracts with multiple internal and external customers. I staffed IBM consultants and business partners to IBM customer engagements ensuring that the customer received the optimal consulting team while maintaining maximum resource utilization in ISSW. I managed the full lifecycle of our presence at a customer, including staffing, logistics, contract change requests, reviews and transitions into future work.

IBM Corporation, Software Group
Consultant

Austin, TX
December 2004–May 2006

I architected, implemented and managed WebSphere portfolio service engagements with significant content from other IBM and vendor software products. In this capacity, I progressed from a member of the technical team to the team lead at many high profile organizations. While my expert skills were with the WebSphere Business Integration suite, including WebSphere Process Server, WebSphere Business Integration Server Foundation and WebSphere InterChange Server, I have extensive architectural and integration experience with the entire IBM software portfolio and can effectively integrate their various functions into a comprehensive customer solution.

IBM Corporation, Software Group
Software Engineer

Austin, TX
August 2003–December 2004

While in the development lab, I held a number of different positions. I was a member of the WebSphere Process Server development team, where I wrote Java code in support of the migration, security and shared artifact repository components. Prior to that I was a part of the Industry Standard Solutions group, writing adapters for the WBI InterChange Server. Prior to that I was a member of the Industry Solutions development team for Energy and Utilities.

IBM Corporation, IBM Research Group
Extreme Blue Intern

Austin, TX
May 2002–August 2002

As part of a team of 3 technical students and 1 business student we created, pitched and marketed a network hardware and software package for wire-speed gigabit content-based (layer 7) routing.

University of Notre Dame
Teaching Assistant

Notre Dame, IN
2001–2003

Taught students in the lab, led discussion sections and graded assignments for a number of courses.

Compaq Computer Corp
Systems Engineering Intern

Houston, TX
May 2000–May 2002

I worked part-time as an intern and extern in the Enterprise Server Validation group through college. In addition to writing a number of software applications that became standard testing for pre-production IA32/IA64 server systems, I worked as a validation engineer for many systems including the Proliant DL760 G2.

Vail Resorts, Inc.
Ski Instructor

Breckenridge, CO
Winter 2000

Individual and group instruction on alpine snowskiing.

University of Notre Dame
Research Assistant

Notre Dame, IN
2000-2003

Investigated and designed novel computer systems comprising networks, distributed systems and computer security.

Fiber Technology, Inc.
System and Network Administrator

Houston, TX
March 1997–August 1999

I was the single point of contact for all IT-related services for Fiber Tech. I supported offices in multiple countries with a variety of operating systems and hardware platforms.

Patents and Patent Applications

US8234172: System for securing card payment transactions using a mobile communication device
US8140644: Method and apparatus for updating application servers
US8229082: Awareness and negotiation of preferences for improved messaging
US6964370: Rfid smart office chair
US7945028: Coalescence of voice mail systems
US7797390: Method and system for disappearing ink for text messaging
US7664853: Automatically inferring and updating an availability status of user
US7533047: Method and system for securing card payment transactions using a mobile communication device
US7526525: Method for efficiently distributing and remotely managing meeting presentations
US7519670: Method for disappearing ink for text messaging
US7418497: Automatically inferring and updating an availability status of a user
US20120173495: Computer Readable Medium, Systems, and Methods of Detecting a Discrepancy in a Chain-of-title of an Asset
US2009177978: Method and system for disappearing ink for text messaging
US2009083160: System for securing card payment transactions using a mobile communication device
US2008294772: Automatically inferring and updating an availability status of user
US2008177851: Awareness and negotiation of preferences for improved messaging
US2008159493: Coalescence of voice mail systems
US2007206734: Coalescence of voice mail systems
US2006268858: Communication system supporting two-way on-hold functionality
US2006253389: Method and system for securing card payment transactions using a mobile communication device
US2006223511: System and method for call forwarding based on localized wireless identification
US2006190581: Method and apparatus for updating application servers
US2006036740: Method and system for disappearing ink for text messaging
US2006036739: Method and system for removing messaging information in a messaging client
US2006020665: Method, apparatus, and program product for efficiently distributing and remotely managing meeting presentations
US2006015609: Automatically inferring and updating an availability status of a user
US2005281397: Awareness and negotiation of preferences for improved messaging
US2005165745: Method and apparatus for collecting user feedback based on search queries
Others not yet published or publicly available...

Research Experience

Research Assistant 2002-2003
Professors Lambert Schaelicke and Curt Freeland University of Notre Dame
Helped develop a scalable architecture for real-time intrusion detection on gigabit networks.

Extreme Blue Intern 2002
IBM Corporation IBM Austin Research Lab
Investigation and development of the hardware and software infrastructure for a wire-speed gigabit content-based routing solution.

Research Assistant 2000-2003
Professor Vincent W. Freeh University of Notre Dame
Investigation of distributed and networked systems, including Parasitic Computing. Creation of the DDANA distributed system for reverse-Parasitic computation.

Teaching Experience

Teaching Assistant, CSE232 Advanced Programming, University of Notre Dame, Fall 2001
Computer Science and Electrical Engineering Tutor, University of Notre Dame, 2000-2001

Working Papers

“Distributed Dynamic Algorithm Network Architecture (DDANA)” with Vincent W Freeh (2002).

Community Involvement

Austin Invention Evaluation Board, IBM Corporation, 2004-2006
University Academic Council, University of Notre Dame, 2002–2003
Young Alumni Advisory Board, Strake Jesuit College Preparatory, 2002–2006
Chairperson, Notre Dame Class of 2003 Class Council, University of Notre Dame

Honors and Awards

Eagle Scout, Boy Scouts of America
Eta Sigma Delta Hospitality Honor Society
Le Cordon Bleu Honor Society (Blue Cravat)
Bravo! Award, IBM Corporation, 2006.
Second Invention Achievement Plateau, IBM Corporation, 2006.
Outstanding Intern Award, Compaq Computer Corporation, 2000.
Jesuit Secondary Education Award, Strake Jesuit College Preparatory, 1999

Certifications

ServSafe Food Protection Manager Certification. Certificate No. 8039468. Expires 2016-06-23
Food Manager Certificate, Austin/Travis County HHS Department. Certificate No. 2011069594FM.
Expires 2016-06-23.
American Red Cross CPR & First Aid Certification
Red Hat Certified Technician (Expired)

Culinary Skills

Traditional French cookery including prep, line work, garde manger, butchery, fabrication, etc

Traditional French pastry & baking techniques: yeast doughs, pastry doughs, cakes, tarts, creams, custards, icings, chocolate and fruit work

Modernist cooking: sous vide, compression, gelification, stable emulsions, foams, clarification

Lebanese cuisine, East Texas BBQ