

Zubin Tiku

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Objective: To become a lead software engineer who develops adaptive, scalable, collaborative, and ubiquitous applications

Employment: GERSON LEHRMAN GROUP (WWW.GLGROUP.COM)

Software Architect, User Interface

Software Architect, Consults

Senior Software Engineer, Surveys

September 2007 - Present

- Authored construction guidelines for user interface components
- Reviewed CSS/JavaScript/HTML from other engineers
- Co-authored design guidelines for business layer components
- Designed and constructed the front end of an AJAX based Survey creation platform using the YUI library
 - Wrote all front end code for survey creation process, including question creation, pagination, grouping, piping, re-ordering, skip logic, queueing, and valid state preservation
 - Designed a gate based mechanism for implementing skip logic
- Researched and architected an partially-automated call scheduling system for the .Net Platform
 - The platform used iCalendar invitations to issue requests for scheduled calls
 - The platform retrieved and processed responses from a mail account using IMAP and windows services
- Provided technical recommendations on CMS platforms and video hosting providers

WEBREACH (WWW.WEBREACHINC.COM)

Software Engineering Intern, GELLO Project

September 2006 - February 2007

- Researched methods of implementing a GELLO query language compiler/runtime using the Java programming language
- Critiqued the system architecture of an electronic medical prescription tool based on the GELLO query language
- Constructed object oriented data models for the GELLO query language using JAXB and XML Schemas
- Contributed user interface controls and business logic towards Eclipse RCP and JSF/AJAX versions of a GELLO query language development environment

FILENET (WWW.FILENET.COM)

Software Engineering Intern, Enterprise Content Management Engine

October 2005 - September 2006

- Developed extensions for a Python based open source Wiki and deployed it for use as a development portal
- Created a Windows service in C# to initiate automated smoke tests via email exchanges in Outlook
- Wrote smoke tests in C# for the .NET interface of the content management engine
- Developed macros using regular expressions and VBScript to automatically fix non standard coding idioms

- Converted Java source code for the content management engine into C# source code

GERSON LEHRMAN GROUP (WWW.GLGROUP.COM)

Lead Software Engineer, Taxonomy Platform

January 2005 ◦ August 2005

- Co-architected a generic hierarchical data management and publishing platform for C#/SQLServer
 - Wrote the entire DHTML/ASP.NET/ front end
 - The platform managed multiple taxonomies with hundreds of thousands of nodes each and supported traditional CRUD operations, as well as templating and merging nodes
 - The platform used a relational database schema for storage and XML schemas for taxonomy structure validation
 - The platform supported importing and exporting changes for each taxonomy, with automatic updates to dependent external data
 - The platform had a dynamic ASP.NET interface that configured itself according to the current taxonomy under management
- Prototyped a beta version of a current events application by customizing the Perl/PHP source code for Movable Type and third-party plug-ins

BEAR STEARNS (WWW.BEAR.COM)

Software Engineer, Equities Derivatives

August 2004 ◦ January 2005

- Developed controls and modules in C# for a real-time index arbitrage Windows thick client that communicated with multiple UNIX servers via pub/sub
- Created a Windows utility in C# to generate C# classes for trading data via a template-based user interface
- Developed a Windows utility in C# to manage daily updates to trading data
- Updated Java modules and Tcl/Tk scripts to download and reconcile pricing data from multiple sources before the start of the trading day

GERSON LEHRMAN GROUP (WWW.GLGROUP.COM)

Software Engineer, Client Website

January 2004 ◦ July 2004

- Led the overhaul of the client website architecture from ASP to ASP.NET, including cross-browser compatibility and W3C validation
- Prototyped new client website features using an ASP.NET front end and an XML/XSLT back end
- Co-authored the design of new client website features, including an advisor search/ratings system and SEC compliance controls

RISKCLICK, INC. (WWW.RISKCLICK.COM)

Software Engineer, Web Development

April 2001 ◦ December 2003

- Constructed DHTML/ASP.NET controls using JavaScript and Visual Basic
- Contributed to the overhaul of the website from ASP to ASP.NET
- Wrote DHTML/ASP.NET controls for a workflow engine that dynamically generated ASP.NET Web Forms from XML schemas and documents
- Prepared reusable DHTML objects using JavaScript
- Wrote automated stress tests in VBScript using the ACT testing platform
- Overhauled a C# module that dynamically generated and distributed ActivePDF certificates of insurance to improve performance by a factor of 100
- Updated a C# permissions module to allow grouping users into single entities and bulk transfer of permissions between entities

Education:

UNIVERSITY OF CALIFORNIA, IRVINE
Donald Bren School of Information and Computer Sciences
Master's Degree in Informatics
September 2005 ◦ June 2009

- HCI/CSCW
- Internet and Ubiquitous Computing Technologies
- Software Design
- Data Structures and Algorithms

NEW YORK UNIVERSITY
School of Continuing and Professional Studies
Non-matriculating course-work

- UNIX
- C/C++
- Java

NEW YORK UNIVERSITY
College of Arts and Sciences
Bachelor's Degree in Dramatic Literature, Cinema Studies, and Theater
September 1997 ◦ May 2000

Languages:

JavaScript, HTML, CSS, C#, Java, Ruby, Python, PHP, SQL, XML, XSD, XPATH, Shell Scripting

Tools:

Visual Studio, Eclipse, Notepad++, Firebug, SVN, CVS, SqlServer, MySQL, xUnit,, IIS, Tomcat, Make, Nant

Technologies:

DHTML, AJAX, Web Standards, Web Services, ASP.NET, JSP, Rails, Design Patterns, Object Oriented Design, ORM, MVC, Mocks, Agile/XP Practices

Interests:

Crossfit, Martial Arts, Yoga, Ecology, Industrial Design, Travel, Guitar, Cooking, Graphic Novels, Football