

Gerry Zhou (Guangxu)		
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SUMMARY		
	Possesses more than 12 years of programming and web-based application development experience along with a deep understanding and hands on skills of different architectures for web-applications, varying from data-storage, middle layer to front-end; and strong problem solving ability. Worked extensively in Agile, Hybrid and Waterfall environments. Familiar with TDD. Excellent communication and team work; Over 10 years of trading experience and programming skills for trading platforms including futures, forex, options, stocks, etc.	
DEVELOPMENT SKILLS		
	Languages <ul style="list-style-type: none">• Proficient in: Java, C#, Javascript, HTML, CSS, SQL, XML/XSLT, Easy Language• Familiar with: ASP.NET, Perl, Shell, NinjaScript Software <ul style="list-style-type: none">• Database: Oracle, Microsoft SQL Server, MySQL, JDBC, ODBC• NoSQL: Solr, Redis• Web: Apache, Tomcat, JBoss, Weblogic, IIS, AngularJS, JQuery EasyUI, REST, SSL, AJAX, JSON, Selenium, Firebug• Dev Tools: Git, SVN, Ant, Maven, Grunt, Eclipse, Clearcase, JUnit, NUnit• Platforms: Linux, Microsoft Windows, VMWare, Solaris• Trading: Tradestation, Ninjatrade, TradeNavigator, FXCM, Forex.com, T4, etc.	
EXPERIENCE		
	Programmer Staff Fellow	02/2009-Present
	<i>Food and Drug Administration</i> <ul style="list-style-type: none">• Creatively developed, delivered and is maintaining the web-based tool FDALabel for reviewers with new drug application at Center of Drug Evaluation and Research• Effectively developed and delivered the web-based knowledge base tool LTKB for FDA scientists and research community for drug induced liver injury• Efficiently developed, improved and maintaining widely used FDA genomics and bioinformatics tool Array track• Managing lead developing web-based knowledge base tool EDKB/EADB for Endocrine Disruptor research• Act as lead developer and maintainer of NCTR Liver Cancer Database for rapid carcinogenicity prediction and toxicogenomics model prediction respectively• Work as lead developer and maintainer of the Microbial Genomics Database project for food safety evaluation• Lead programmer for maintenance of Gene Ontology for Functional Analysis (GOFFA), the gene ontology database developed by NCTR/FDA• Major developer of the Tobacco Constituents Knowledge Base (TCKB) using the FDA standard Oracle RDBMS that enables CTP/FDA regulatory scientists to query, exchange, annotate, update, and analyze tobacco constituents data• Major developer for SNPTrack, a genomic analysis tool designed for personalized medicine research and regulatory review	

	Graduate Assistant	05/2007-01/2009
	Computer Science Dept., University of Arkansas at Little Rock <ul style="list-style-type: none">• Creatively designed and implemented An Online Credential Repository for Role-based Delegation (Master's thesis)• Accurately proposed, designed and implemented "A Multi-Channel Message Encoding Framework for RBAC with Multicasting" (paper accepted by ICC 2009)• Key developer for the project Role-based Secure Group Communication Framework using Polymorphic Encryption and Decryption. Designed and implemented the subsystem of Certificate Authority. Led the testing, integration and release of the production to DOD/NSA• Proposed, designed and implemented "Enable Delegation for RBAC with Secure Authorization Certificate" (paper published on Computers and Security)• Energetically attended Blog track of TREC 2007, designed and implemented "Topic Categorization for Relevancy and Opinion Detection". One of the runs I submitted to NIST gained 6 best overall scales out of 50 scales from 20+ teams all over the world and I was invited to present at NIST	
	Senior Software Engineer	12/2005-04/2007
	Entriq Co., Ltd. <ul style="list-style-type: none">• Efficient key member for developing Javascript SDK for reusable web application building in Windows Media Center Edition (MCE)• Effective key developer for online pay media MCE Web Applications: Olympics Torino(10 Feet MCE web application for online pay video of Olympics Torino navigation and purchase); Selfcare MCE Eros (MCE web application for customer self-care purchase with online pay media); Digital Store MCE(an MCE web application to provide all-in-one pay media solution for turning online content into cash); Fireswarm (affiliate marketing systems for online pay media)• Devotedly designed and implemented the Web Application Unit Test Framework for MCE• Led the White Box Testing for online pay media selfcare application	
	Software Engineer	03/2005-12/2005
	Augmentum Inc. <ul style="list-style-type: none">• Development for WINGS (WorldWide Integrated Next Generation Suite), a distributed Public Security System which employed mobile devices as terminals and wireless network as transmission media. Led several submodules business analysis, detailed design; coding, unit testing and integration testing include Mobile Smart Client Authentication and Authorization, Mobile Smart Client NG-TTP, Mobile Smart Client Multi Instance and I18N• UI Automation Testing Suite: Key member of automation framework implementation. Group leader for Authentication automation test plan and implementation• Internal Training System: a Web-based corporation internal training system. I acted as tech leader to led the system analysis, high level design, coding and integration	
EDUCATION		
	2007-2009 University of Arkansas at Little Rock, M.S., Computer Science	
	2003-2005 Tsinghua University, M.S.E., Software Engineering	
	1993-1997 Nanjing University, B.S. Biology	