**GERRY ZHOU (GUANGXU)**

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**PROFILE SUMMARY**

A multifaceted, astute, and performance driven professional with over 12 years’ experience in programming and web-based application development. Hands-on expertise in different architectures for web-applications, from data-storage, the middle layer to front-end. Results-oriented professional with a consistent record of driving change, providing support, and being the ‘go-to' professional in times of technology crises. A versatile individual possessing an acute awareness of practical issues and trends, particularly accessibility, usability and emerging technologies. Extreme capability to surpass all expectations and render the optimum level of service regardless of time constraints. An effective team player with a strong ability to present complex solutions clearly and accurately.

**TECHNICAL SKILLS**

**Languages**

* Proficient in: Java, C#, JavaScript, HTML, CSS, SQL, XML/XSLT, Easy Language
* Familiar with: ASP.NET, Perl, Shell, NinjaScript

**Software**

* Database: Oracle, Microsoft SQL Server, MySQL, JDBC, ODBC
* NoSQL: Solr, Redis
* Web: Apache, Tomcat, JBoss, Weblogic, IIS, AugularJS, 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, Ninjatrader, TradeNavigator, FXCM, Forex.com, T4, etc.

**HIGHLIGHTS**

* In-depth knowledge of Agile, Hybrid, and Waterfall environments.
* Strong familiarity with TDD.
* Over 10 years trading experience and programming skills for trading platforms including futures, forex, options, stocks, etc.
* Excellent interpersonal and communication skills, both orally and in writing.
* Management, and problem solving skills; able to prioritize and work within tight deadlines and in a fast-paced work environment.
* Strength to remain calm under pressure; and make swift, correct decisions in emergency situations.

**PROFESSIONAL EXPERIENCE**

**Food and Drug Administration Feb 2009-Present**

**Programmer Staff Fellow**

* Oversaw the development, delivery, and maintenance of the web-based tool FDALabel for reviewers with new drug application at Center of Drug Evaluation and Research.
* Developed and delivered the web-based knowledge base tool LTKB for FDA scientists and research community for drug-induced liver injury.
* Successfully developed, improved and maintaining widely used FDA genomics and bioinformatics tool Arraytrack.
* Coordinate developing web-based knowledge base tool EDKB/EADB for Endocrine Disruptor research.
* Lead developer and maintainer of NCTR Liver Cancer Database for rapid carcinogenicity prediction and toxicogenomics model prediction respectively
* 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.

**Computer Science Department, University of Arkansas,** Little Rock  **May 2007-Jan 2009**

**Graduate Assistant**

* Played an integral role in creating and implementing an Online Credential Repository for Role-based Delegation (Master’s thesis).
* Proposed, designed and implemented “A Multi-Channel Message Encoding Framework for RBAC with Multicasting” (paper accepted by ICC 2009).
* Took a key role in developing 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.
* Championed the proposal, designing and implementation of “Enable Delegation for RBAC with Secure Authorization Certificate” (paper published on Computers and Security).
* 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.

**Entriq Co., Ltd Dec 2005- Apr 2007**

**Senior Software Engineer**

**Augmentum Inc. Mar 2005- Dec 2005**

**Software Engineer**

**EDUCATION**

* **University of Arkansas,** Little Rock 2009

Master of Science in Computer Science

* **Tsinghua University** 2005

M.S.E, Software Engineering

* **Nanjing University** 1997

B.S, Biology