

JUANJUAN ZHAO

IT Professional with 8 years of experience developing or leading development of ERP software system, computer-aided translation workbench, online bilingual dictionary, and e-commerce website using C#, asp.Net, SQL, Node, Express, React, Typescript, heavily exposed to Java, Javascript ES6, HTML/CSS, LESS, Bootstrap, jQuery, Ajax, Office Programming, and involved with NLP and ML.

Personal Info

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[jennifer-zhao-ca](#)

Location

[Mountain View, CA](#)

Technologies

Languages & Frameworks

C#, Asp.Net, Java, Javascript ES6, Node, Express, React, Typescript, Less, jQuery, Ajax, JSON, XML, Bootstrap, Html5, CSS3, PHP, Android, Python, MS Office Programming

Design Patterns

Restful API, MVC, OOP

Databases

MSSQL, MYSQL, PostgreSQL, Typeorm, MONGO

Tools

Docker, Heroku, RabbitMQ, Gira (Agile), Slack, GIT version control, SVN, Assembla, AWS, Linux Command Line

Commercial Systems

ERP, CMS

NLP & AI

Stanford CoreNLP, OpenCV,

Experience

2018.08-2018.12

Sr. Lead Software Engineer, DevelopScripts LLC., Richardson, TX

Lead Development of Website Features and Tech-Training

Lead development and best practices in implementing website features; Recommend solutions to client requirement; Website issues troubleshooting and urgent bugs fixing; Progressive refactor code repository; Interview, tech-training and knowledge sharing

Tech Stack: Node, Express, MySQL, Bootstrap, Javascript, JSON, Html5, CSS3, jQuery, Ajax, PHP, GIT version control and SVN, AWS, Assembla, Ubuntu Linux

2018.01-2018.07

Full-Stack Developer, VoidRay INC., Richardson, TX

Development of Web UI and Backend of a Medication Dispensing System using Node, React, Typescript, Less, Postgres, Typeorm and Mongo

Implement front-end features based on UI mockups; Create restful API endpoint; Create database model & repository; Create reusable React component; Pull request review on GitHub; Troubleshooting & Bug fixing in cooperation with testers

Tech Stack: Node, React, Typescript, Javascript ES6, Less, Postgres, Typeorm, Mongo, Docker, Heroku, Git, RabbitMQ, Slack, Gira

2017.08-2017.12

Node.js Developer & Lead, DevelopScripts LLC., Richardson, TX

Development and Maintenance of Auction Websites using Node, Express, MySQL, Bootstrap

Website issues troubleshooting, urgent bugs fixing, and new features development; Technical support with root cause explanation; Interview and train new developers; Provide comprehensive technical consultation & solution;

Tech Stack: Node, Express, MySQL, Bootstrap, Javascript, JSON, Html5, CSS3, jQuery, Ajax, PHP, GIT version control and SVN, AWS, Assembla, Ubuntu Linux

2012.06-2016.07

Sr. Software Engineer, Cross Language Co., Ltd., Beijing, CN

Development of an [Enterprise Resource Planning \(ERP\) System for Translation Automation](#) using .NET C# and MSSQL

Develop an enterprise management system for translation automation, comprised of functional modules of order management, client management, HR management, translation project management, proofreading quality monitoring, management, and bilingual corpus management. [Microsoft office programming](#) is used in text preprocessing and generation for translation automation. Sentence splitting, Chinese word segmentation, and phrase chunking are implemented.

Development of a [Bilingual Dictionary](#) using .NET Web

Develop a wholly owned bilingual dictionary, [SCldict](#), with fast response to fuzzy query match. Browser server architecture is implemented. The query server networks with browser and remote client-side to return query result. IR technologies are tailored to prioritize terminology ranking. Reverse indexing is used considering query efficiency and single server scenario. Automatic failure check and restart of query server are also implemented.

Soft Skills

- **Sharp eyes on root cause of technical issues**
- **Good communication skills with maximized information sharing**
- **Well understanding on needs from customers, manager and developers**
- **Able to implement requirement in detail**
- **Able to translate fuzzy description to implementable requirement**
- **Make things happen by actively asking correct questions**
- **Understand learning process and good at helping growth of juniors and sharing knowledge with non-professionals**
- **Willing to take challenges and higher responsibilities**
- **Able to think ahead and provide comprehensive solution**

Development of a [Computer-Aided Translation Workbench](#) using .NET C#

Develop a computer-aided translation workbench, using client server architecture. The client-side workbench is a translation editing interface, supported with task management, bilingual dictionary, as well as spell check, grammatical check and phrase check. Real-time bilingual sentence alignment is implemented on the editing interface. NLP related Text analysis is implemented on the remote server.

2010.12-2012.06 General Manager, Cross Language Co., Ltd., Beijing, CN

Establish internal quality standards for translation workflow; Produce manuals of procedural standards for translators; Recruit and train translators and editors; Maintain client relationship; Manage daily order processing; Solve problems; Outsource software development to enhance translation management.

2007.04-2010.12 Web Dev. Manager, Cross Language Co., Ltd., Beijing, CN

Website strategic planning and decision making; Lead a team of web designers and developers to build and innovate websites with marketing purpose; Initiate business cooperation with other sites; Initiate search engine optimization projects.

Education

2016.08 – 2018.12 The University of Texas at Dallas — MS in Computer Science

2001.09 – 2005.07 Peking University, China — BS in Chemistry

Courses Highlight

Algorithm Analysis and Data Structures; Database Design; Artificial Intelligence; Natural Language Processing; Machine Learning; Information Retrieval; Computer Vision; Cloud Computing; Web Programming Languages; Human Computer Interaction

Projects (mostly [NLP](#) and Machine Learning) 2017.03 - 2018.04

- Building Uncompressed/Compressed Stemmatized/Lemmatized Indexes for a Statistical Retrieval System using Java
- Implementation of A Statistical Relevance Model for Retrieval System Based on Vector Relevance Model using Java
- Query Expansion using Rocchio Algorithm and Local Clustering using Java
- A Web Search Engine of Computer Algorithm using Java and Apache
- A Coarse Logic Representation of News Articles using Java and Stanford CoreNLP
- Implementation of Naïve Bayes Tree, Logistic Regression, and Perceptron for Text Classification using Java
- Implementation of Mixture of Tree Bayesian Networks using Expectation Maximization
- Implementation of Barrel Race Game using Android