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| **William Jiang** **Senior Frontend/FullStack Developer**  [**williamjxj@hotmail.com**](mailto:williamjxj@hotmail.com)  **347.822.1246** | |
| **Highlights of Qualifications**   * An IT professional with 10+ years of working experience in software development and design. * Core competencies includeinclude **JavaScript, AngularJS, jQuery, HTML5/CSS3, Backbone, Twitter-Bootstrap, Node.js, MongoDB**. * Extensive experience includes **JavaScript frameworks, MEAN.io, Reactjs, TypeScript, ES6, Angular-fullstack, git/github, npm, karma test, Yeoman, Amazon S3.** * Proficiency in **PHP**, **LAMP-stack, RDBMS/No-SQL Databases**, **Perl**, **Shell, vim**. * Comprehensive and in-depth knowledge about **Agile/SCRUM Development, MVC, ORM, CMS, CRM, C, Java, SEO, Saas, Amazon Cloud, SCM, JIRA.** * 1 project in FedEx was awarded on **APEC 2002** in Shanghai, China: **Perl**, **Oracle**, and XML in Solaris. * 1 project was awarded **First-Class** in Science and Technology Progress of Shaanxi Province, China for CDMA application by using **C/Oracle**. * On a personal note, Very dedicated, responsible, self-directed trouble-shooter who enjoys working with others sharing ideas and knowledge of the IT industry. * My technical cyberspace is: [**http://williamjxj.com**](http://williamjxj.com) (near 400 posted articles)   github: [**https://github.com/williamjxj?tab=repositories**](https://github.com/williamjxj?tab=repositories)**,**  jsfiddle:[**http://jsfiddle.net/user/williamjxj/fiddles**](http://jsfiddle.net/user/williamjxj/fiddles) | |
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| **CORE EXPERIENCE & skills**  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Categories** | **Languages/Tools** | **Skill 1-10**  **(10=expert)** | **Last Used**  **(Year)** | **Experience**  **(Years)** | | Basic (highlight) | JavaScript, AngularJS | 9 | 2015 | 10/2 | | HTML, CSS, HTML5/CSS3, less | 8 | 2015 | 10 | | Front-end, JavaScript Framework | jQuery, jQuery-UI | 9 | 2015 | 6 | | Twitter Bootstrap, ui-bootstrap | 7 | 2015 | 2 | | Ajax, CORS | 8 | 2015 | 6 | | Angular modules (ng-modules) | 8 | 2015 | 3 | | HTML5 Boilerplate, Responsive CSS | 7 | 2015 | 3 | | React.js, TypeScript, ES6 | 8 | 2015 | 2 | | grunt, bower, gulp, Yoeman, Jshint | 8 | 2015 | 2 | | Handlebars, {{ mustache }} | 6 | 2014 | 2 | | Jasmine, karma, QUnit | 7 | 2015 | 2 | | Server-Side JavaScript | Node.js | 8 | 2015 | 2 | | npm, node\_modules | 7 | 2015 | 2 | | RESTful APIs, Restangular, Promise | 8 | 2015 | 2 | | Express.js | 8 | 2015 | 2 | | MEAN.io | 8 | 2015 | 2 | | More Tools | WebStorm | 8 | 2015 | 2 | | Dreamweaver | 9 | 2014 | 8 | | Photoshop, Illustrator | 6 | 2014 | 4 | | Plunkr, jsFiddle | 7 | 2015 | 2 | | Jshint, nodemon | 7 | 2015 | 2 | | JavaScript Library | WebSocket, socket.io | 7 | 2015 | 2 | | loadash, underscore, commonjs | 8 | 2015 | 3 | | jQuery-ui, jQuery-mobile | 7 | 2015 | 2 | | JavaScript, AngularJS | 6 | 2014 | 1 | | HTML, CSS, HTML5/CSS3, less | 7 | 2015 | 2 | | jQuery, jQuery-UI | 5 | 2014 | 1 | | NoSQL | MongoDB | 7 | 2015 | 3 | | CouchDB, MapReduce | 6 | 2014 | 2 | | Redis | 8 | 2014 | 2 | | Apache Cassandra | 6 | 2013 | 1 | | SQL | T-SQL, transaction, trigger | 8 | 2012 | 8 | | Oracle | 8 | 2012 | 8 | | PostgreSQL | 5 | 2014 | 2 | | LAMP-Stack | PHP | 9 | 2014 | 10 | | Linux, Shell Scripts | 9 | 2014 | 10 | | Apache | 9 | 2014 | 10 | | MySQL | 8 | 2014 | 10 | | Perl | 8 | 2013 | 10 | | PHP Extension/Server Apps | Memcached, PHP-Redis | 8 | 2013 | 3 | | CakePHP, Laravel 4, Wordpress | 7 | 2013 | 4 | | Smarty, PDO | 8 | 2013 | 6 | | Sphinx, ZeroMQ, Varnish | 7 | 2013 | 4 | | Jenkins continuous integration | 6 | 2015 | 1 | | SCM | Git, github | 9 | 2014 | 5 | | SVN, CVS | 6 | 2013 | 2 | | Project Management | JIRA | 7 | 2014 | 3 | | Pivotal Tracker, Asana | 6 | 2015 | 3 | | Others | Agile/SCRUM Development | 8 | 2014 | 5 | | Oracle VM VirtualBox | 7 | 2014 | 2 | | Heroku, Amazon S3 | 6 | 2015 | 2 | | <http://stackoverflow.com/> | 7 | 2015 | 3 | | |

**Education & Certification:**

* Xi'an Jiaotong University, China

Bachelor Degree of Engineer, Sep 1987 - Jul 1991 (4 Years)

* Universal Learning Institute, Vancouver, Canada

Diploma of Small Business Management, Mar 2004 - Mar 2005 (1 Year)

**Training:**

* + Rosetta Net Implementation Framework and Product Certified Engineer, 2002, Singapore
  + Nortel CDMA Mobile Product Certified Engineer, 1999, Nortel Canada, China
  + IBM AS400/DB2 System Training,1998, IBM China
  + Sybase SQL Server System Administrator Certification, 1997, Sybase China
  + Informix Database Design, DSA, DBA Certifications, 1996, Informix China
  + HP-UX Network Engineer, System Administrating Engineer, 1995, China HP

**Professional Experience:**

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|  | **WebMD** ([**http://www.webmd.com/**](http://www.webmd.com/)**), NYC NY**  ***Senior UI Frontend, MEAN-stack Architect/Developer, July 2015 – Present***  Delivers software services to help large media company WebMD maximize revenues from their content and advertising inventories. I work for the significant project that building a web-based bridge to interact WebMD with advertisers by using web-based functionalities: nodejs, mean-full stack, google publisher tags, media.net bidding system.   * On Frontend, using AngularJS directives, services, filters, controllers, templates, several design patterns, to implement rich functionality in various pages: advertisers comparison, PDF documents integration, annotation on PDF, zoom/rotation, user authentication by passport.js, form validation, CRUD, grid, search, sort, pagination, multi-selection, server-side proxy, unit tests, Amazon S3 cloud integration etc. * On Server-side, to implement advertisement documents store and access. Node Express servers process and proxy http-requests, email processing, documents upload, events control flows; MongoDB for data storage and access, DB schemas validation, Mongoose Restangular access; Amazon S3 Cloud Service for PDF/documents storage. * The project is integrated with Codeship, version control by git/github, project management by pivotaltracker, task management by grunt/Gruntfile.js, components management by bower, syntax checking with jshint, Unit test using Jasmine and Karma.   **DSNY-The City of NY Dept. of Sanitation (**[**http://www1.nyc.gov/site/dsny/index.page**](http://www1.nyc.gov/site/dsny/index.page)**), NYC NY**  ***Senior UI Javascript, AngularJS Developer, Mar 2015 – July 2015***  The Department of Sanitation (DSNY) promotes a healthy NYC environment through efficient management of the City’s solid waste, and environmentally sound long-range planning for handling the City’s recycling and garbage.  As a Frontend Developer   * Implemented components and functionality utilizing AngularJS, websocket, and Java RebittMQ. * Utilize MVC, Prototype and Singleton JavaScript patterns to develop application * Incorporate 3rd party JavaScript libraries such as jQuery, ui-bootstrap, drag-drop components, less. * Developed and maintaining core frontend components for use by both onshore and offshore customers * Optimizing framework functionality and fix production bugs * Improve application by adding unit-tests(karma+Jasmine), e2e tests(protractor+webdriver) * Replace components/modules by using React.js, TypeScript/ES6 technologies.   **PubMatic (**[**http://pubmatic.com/index-eng.php**](http://pubmatic.com/index-eng.php)**), NYC NY**  ***Senior AngularJS, UI Frontend developer, Dec 2014 – Mar 2015***  PubMatic is a global technology platform that powers the programmatic advertising strategy of leading publishers and premium brands. I implemented **Automated-Guaranteed** project to allow bidders to post their advertiser offers to the publishers.   * Using AngularJS + NodeJS + Java + REST APIs, to implement full features of a bidder’s processing. The Automated-Guaranteed SPA application is a key part of PubMatic advertising strategy, using cut-edge technologies which include AngularJS & Stuff, Java Rest APIs and MySQL. * Used AngularJS to implement rich functionality in various pages: form validation, CRUD, grid, search, sort, pagination, multi-selection, tags-input, advanced directives, authentication, server-side proxy, unit tests, cloud integration, slide pages, users switch etc. * Integrated with Jeknins-CI, version control by git/github, project management by JIRA, task management by grunt, syntax checking with jshint, and js/shell scripts to make the **automated-guaranteed** project powerful, scalable and easy management.   **Chinesecio.com/Agfa Graphics, Thousand Oaks CA**  ***Senior Frontend developer, May 2014 – Nov, 2014***  <http://www.chinesecio.com/> is ‘Confucius Institute Online’, which aims to promote Chinese language and culture, support local Chinese teaching internationally, and facilitate cultural exchanges. The site is all based JavaScript/PHP/LAMP-stack, and Restful APIs (Cloud Services). I focus on JavaScript, jQuery, Twitter Bootstrap to add new features and do performance optimization.   * Use MEAN.io, create an Angular/Node/MongoDB application for user login/register processing. * Write various complex scripts to provide supports for Backend as well as Frontend. * E-Library: designing Databases Schemas, writing/testing ORM modules, using Varnish Caching mechanism to buffering/sync data. * Using Angular.js + require.js to re-implement e-Library admin panel with Karma/Jasmine tests.   **BestBuy Canada** (<http://www.Bestbuy.ca/>), **Senior JavaScript Developer, Oct 2013 – May 2014**  Work for Best Buy Canada to update existing webpages and add new features.   1. **Project 1 - Gallery update**   Update product gallery’s images/thumbnails, add new features like multi-videos, 360 rotate, etc for Destop, Tablet and Mobile. Writing Javascript codes for Carousel, Slider and Tabs by using JavaScriptMVC framework, jQuery Mobile, YouTube APIs and product RESTful APIs (ASP.NET and Java). It is available for both <http://bestbuy.ca> and <http://futureshop.ca>.   1. **Project 2 - Bestbuy Warranties**   Update Bestbuy Warranties page by using JavaScriptMVC framework and jQuery, for Desktop, Tablet and Mobile version individually.  **Top Producer** ([http://www.topproducer.com](http://www.topproducer.com/))**, JavaScript, Open-source/UI developer, Feb 2013 – August 2013**  Top Producer is Real Estate CRM leading provider which is operated by Move,Inc.(<http://www.move.com/>), the leader in online real estate.  I did 3 projects, all regarding on JavaScript/NodeJS and Ruby on Rails (Agile Development).   1. **Project 1 - Goal Setting**   By adding new features to <http://www.realtor.com>, to let agents/brokers evaluate their business goals (such as their buy/sell volumes, leads, contacts), to provide better services.  Using Node.js (CompoundJS) + MongoDB in CentOS platform, and a rich client AngularJS UI.   1. **Project 2 - Important Dates Feature**   It is important for the CRM systems to provide the features of remaindering function, such as remaindering customer birthday, appointments etc.  By using JavaScript + jQuery + Restful Web-Services + JSON in front, and Node.js(ExpressJS) + MongoDB in the backend, I created an animation JavaScript application to perfectly implement this feature.   1. **Project 3 - Contact Types by using select2js**   This project is to allow agents/brokers to manage their contact types list. Select2 is a jQuery based replacement for select boxes. It supports searching, remote data sets, and infinite scrolling of results.  By using JavaScript + Select2 JS + PHP Restful Web-Services + JSONP, I implemented a powerful dynamic and animated application which accepts various input for reuse and scalable usage.  Besides, I did several LAMP + JavaScript contractor works.  **Integrated web applications, CMS,scraping for Dixi Inc.**  Work for Dixi Inc. for big sites: <http://dixitruth.com> and a series of sites.  By using LAMP, I developed several websites, 1 of them is a multi-languages application which integrate:  A CMS system which I wrote by my own to implement content managements, Sphinx/Coreseek search engine, PHP memcached C/S, MongoDB, MySQL/Apache, Perl Scraping scripts, Ajax/JSON, twitter bootstrap CMS framework, etc. I can present the site when face-to-face interview.  **Create various websites.**  Created and contributed some websites for customers, like: <http://www.pliew.ca> , <http://www.netdaigou.com>, <http://peoplemelt.com>. All by PHP or PHP Frameworks.  I also did a REST APIs comparison version between PHP+MySQL and Node.js+MongoDB:   * PHP (Slim framework) + MySQL: <http://dixitruth.com/php_rest/> * Node.js + MongoDB: http://dixitruth.com /rests/   **C-DAT Systems** (<http://cdat.com/cdat/index.php>), **Vancouver, Canada**  ***Senior Programmer Analyst, Nov 2010-Apr 2012***  C-DAT Systems is an employee benefits software producer, also provide software services for pension solution and group benefits administration.  I am working on some specific web developing, as well as pension management administration software.  By using PHP/MySQL/jQuery/CSS/jQuery-UI, I developed some web apps, such as <http://mycibp.ca>, <http://mycibp.ca/pams/>, as well as <http://ufcwpensionplan.com>, <http://www.cdat.com>.  By using Perl’s Agile MVC framework Catalyst, I implemented a web application for presenting and switching data with legacy Oracle Database.  **LTCGlobal Inc** (<http://ltcglobal.com>)**, Vancouver, Canada**  ***Senior Programmer Analyst, Feb 2007-Jul 2010*** |
| LTCGlobal is a US Insurance Company which has an I.T. branch in Richmond, BC Canada. |
| Focusing on web applications for insurance business. Designed and developed 5 websites for agents, agency, carriers and other customer services. |
| * PHP: Agent & Agency Managements; Document Lookup; Google Maps app; PDF generator; Case Management; Commission Admin; etc. |
| * Perl: Automatically download bulky data from secured websites, parse and extract data into Oracle DB; XML Data Transferring; Application integration |
| Languages:   * PHP + DHTML + JavaScript + CSS + Ajax + Oracle. * Perl + Perl Modules: WWW::Mechanize, DBD::Oracle, DBI, XML::Twig etc. |
| **Best IT Consulting Inc., (**<http://www.bestitconsulting.com> **),*Canada***  ***IT Consultant, Project Manager, Mar 2004-Jan 2007*** |
| Best IT Consulting Inc. was created and operated by me and partners. We focus on IT consulting, analyzing, design and developing software, especially in Java/J2EE, Perl, C++/C, Database development, and E-Commerce application.   * **Project 1: Business Framework Design**   Developing and implementing Enterprise Level multi-tiers products by using Java J2EE technology for *Kaltire Corp. (*[*http://www.kaltire.com/*](http://www.kaltire.com/) *), Kelowna, Canada, Jul 2006 - Dec 2006.* The implementation uses popular Struts + Spring + Hibernate structure, with JSTL, Tiles, Spring AOP and IoC, JTA, DAO and Hibernate ORM.  The development environment is JBossIDE 2.0 for Eclipse in Windows XP Professional.   * **Project 2: General software design and developing**   Consulting, design and developing Business Software for entertainment and networking security purpose for *Terrier International, Inc., Vancouver, Canada, Feb 2005 - Jul 2005* by using Perl, C, C++ programming.  Design, implementing, and maintaining 2 C2C websites by using LAMP (Perl, PHP in Linux):Completely designing and developing[*http://www.vanabc.com*](http://www.vanabc.com) (Chinese Version)   * **Project 3: Information Publishing System and Network Integration**   Designing and developing a powerful, low-cost, integrated Information Publishing and Administrating Systems for *Universal Learning Institute, Vancouver, Canada, Dec 2004 - Apr 2006.* It is especially suitable for SME and education organizations by using Perl, CGI, LAMP and Web Design tools. The E-Commerce application is quite like Lotus Notes.  It is a very popular system of cutting down the budget and improving the functionality and efficiency, with a high appreciation by customers such as Vancouver Universal Learning Institute. |
| FedEx (<http://fedex.com>, <http://fedex.sg>), Memphis TN, and Singapore  *Programmer Analyst, Oct 2000-Dec 2003, Feb 2007-Sep 2007* |
| Design and develop FedEx GIVS (Global Inventory Visibility System) and EC-IV (E-Commerce Inventory Visibility) System.   * **Project 1: FedEx Global Clearance System**   Developing FedEx Global Clearance System for Australia, Korea and China by using:  Perl, Java and J2EE, Oracle PL/SQL.   * **Project 2: Tracking Shipment Maintenance and Integrated Application**   Integrated and maintenance FedEx Asia-Pacific tracking shipment data source (inbound and outbound): Perl, C (TCP/IP servers + Message Queue), Oracle PL/SQL and Oracle XML, SOAP, Web Services, Shell Script, etc.  This project greatly improved performance, update and simplify structure.   * **Project 3: B2B E-Commerce application and CGI Web Programming**   Designed and developed several websites: such as[*http://www.givs.com.sg*](http://www.givs.com.sg)*,* [*http://tais.givs.com.sg*](http://tais.givs.com.sg), for FedEx E-Business (B2B, B2C) applications:  Perl/C + Sybase SQL, Apache, mod\_perl, HTML::Template, Apache::Session, CGI, DBI in Solaris  These websites are interface-friendly, response-rapidly, robust and security, including almost all mainly CGI application technology.   * **Project 4: Wireless Application**   This project provides mobile users an easy approach to access FedEx tracking information.  By using Oracle's online studio application server ([*http://studio.oraclemobile.com*](http://studio.oraclemobile.com)) as intermediate, CGI programs receive and analyze user's input message, query FedEx tracking database, wrap shipment data into XML format, and return result.  Perl/Java, XML: XML as data transformation carrier, WML, Oracle PL/SQL. |
| **Zhongxing Telecom Corp (**<http://wwwen.zte.com.cn/en/>**), China**  ***Senior Programmer Mar 1998 - Oct 2000*** |
| Zhongxing Telecom Corp is China's largest listed telecommunications equipment provider specializing in offering customized network solutions for telecom carriers worldwide. Responsibility was CDMA design and development.   * **Project 1: Network Communication Application**   Mainly responsible for network communication between Customer maintenance center (Windows workstations) and CDMA Base Stations.  By using TCP/IP and C/C++, designed and programmed the whole process. The total programs (including TCP/IP Winsock executable application, DLL, Demonstrating) are more than 7000 lines. Developing environment is Windows NT Server 4.0/Visual Studio 97(VC++).   * **Project 2: Online charging for CDMA Customers**   As a primary designer and programmer, programming CDMA computing fee codes.  This project aimed at mobile phone's customer, to calculate fee. The total programs are more than 5000 lines of C language, including BSD Sockets, Sybase Db-library, SQL statements under DEC UNIX environment.  The program was launched from July 1999, covered with whole Shaanxi province. **It was elected as the First-Class award of science and technology progress in Post and Telecommunication Department of Shaanxi Province**.   * **Project 3: CDMA Security Management**   This project involved CDMA system security. Designed and programmed a Delphi application program to access database - MS SQL Server 6.5. It was running under Windows NT 4.0, with abundant and easy-operating interface. The total programs are about 2000 lines. |
|  | **Nantian Computer Corp, China**  ***Associate Engineer, System Engineer, Jul 1991 - Feb 1998*** |
| Nantian Corporation was the biggest financial service provider in China. Engaged in City Integrated Network System Integration.   * **Project 1: City Integrated Network Application**   From 1992 to 1997, working for many cities' "City Integrated Network" projects of China Construction Bank in Shaanxi province. Building LANs, WANs, installing and administrating UNIX system (HPUX and SCO UNIX), installing and maintaining Informix database, writing and testing application procedure(C programs).  From 03/ 1997 to 02/1998, as a software project manager for China Construction Bank, participating to the "City Integrated Network" project of China Construction Bank in Gansu province.   * **Project 2: Network Programming**   In 1997, using C language and TCP/IP, developed multi-process network communication programs, total 6000+ lines running under HPUX and Solaris. Connecting with some databases (such as Sybase), these programs were successfully launched by banks and telecommunication departments. |