

Tony Zhang

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Result Oriented Senior Software Engineer

Innovative expert focus on process design and software engineering
Experienced in all project phases using Waterfall and Agile Methodologies
Delivery lead on Smart Platform, Data warehouse, Mobile/API design & Implementation

Java
C, C++
Objective-C, Swift
PHP, JavaScript
Python
Amazon S3 & EMR Cloud
Redshift, Hadoop, DB2

Node.js
ReactJS, AngularJS
jQuery, Ajax
Bootstrap
Cordova
Xcode, NetBeans, Eclipse
Unix, Linux, OS X

AMAZON – Software Engineer ----- Jun 2016 – Present

Delivery lead with rich experience building Automation Intelligence platform, logistics fulfillment module development and Platform Migration

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| Project experience | — Multiple project experience across Automation Intelligence, Cloud Computing, Big Data and Data Warehouse <ul style="list-style-type: none">▪ Fulfillment Inbound Quality Check Management Platform (Automation Intelligence)<ul style="list-style-type: none">- API & UI Architecture designer, deployed worldwide with on-boarded 5+ quality check programs▪ Data Warehouse migration to Data Lake platform to achieve Oracle-free Amazon<ul style="list-style-type: none">- Delivery lead, migrated 100 tables, fixed 20M+ bad records, 50% increased of consuming our data by global financial business▪ Inbound Receiving Process Optimization – UI design and business client engagement<ul style="list-style-type: none">- Module developer, deprecated the legacy receive tool for North America, improved labor efficiency of PREP Flow by 16%▪ Functional design and implementation of Auto-Identification of PREP Ownership<ul style="list-style-type: none">- Delivery lead, reduced material & Labor cost by 40%▪ Hadoop Cluster Migration from local to Amazon S3 and EMR Cloud with encryption enhancement<ul style="list-style-type: none">- Delivery lead, 50% decrease of time cost for job run, reduced maintenance cost by over 30% |
| Routine Job | — Responsibilities are across full cycle of SDLC practice <ul style="list-style-type: none">▪ Establish a high level of trust with clients and ensure that business objectives are met.▪ Business Requirement & Functional Design Documentation▪ Automation Intelligence Process evaluation and best practice exploration▪ Prototype and build functionality before real development to reduce the risk of project failure▪ On-call Support - Immediate bug fix, deployment & maintenance support |

Environment: Amazon AWS, EMR Cloud, S3, Redshift, Hadoop, Linux, Unix, Java,

IBM Canada – Software Developer – IBM Analytics ----- May 2015 – Apr 2016

Enterprise level web and mobile design with contribution to open source community related with DB2 development

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| Project experience | — 2 projects focus on Web, mobile design and development <ul style="list-style-type: none">▪ DB2 Certification Exam Multi-Platform Application<ul style="list-style-type: none">- Development lead with other two team members delivered Responsive Web Application using ReactJS framework, designed iOS Application using Swift language and various optimization libraries. Developed Web Server and REST API services using Node.js and Express frameworks▪ DB2 ODBC Driver API enhancement to be compatible with Swift.<ul style="list-style-type: none">- Collaborated with IBM global mobile development teams, designed and delivered IBM DB2 ODBC driver for Swift 3.0 programming language for targeting new generation of iOS developers |
| Routine Job | — Responsibilities includes requirement collection, POC demo, testing and training others <ul style="list-style-type: none">▪ Modernized DB2 products website and made contributions to open source community.▪ Analyzed plan, direction, structure, and requirements via social media networks regarding client organization▪ Prototyped, Designed, developed and tested mobile applications on multiple platforms for various exhibitions▪ QA testing for DB2 new versions▪ Training new internship students |

Environment: Java, Swift, Objective-C, MongoDB, PHP Node.js, ReactJS, AngularJS, jQuery, Ajax, Bootstrap, Cordova, REST API

EDUCATION – University of Toronto St. George ----- Sep 2012 – Apr 2017

Bachelor of Engineering (BEng), Computer Engineering	Apr 2017
Award: \$5000 Faculty of Applied Science and Engineering Admission Scholarship	
Machine Learning on Coursera	Jan 2017
Engineering Software as a Service on Edx	Aug 2016
DB2 Fundamental certification	May 2015

INTEREST – iOS app development - [Taurus Stock Analytic](#) [UHelp](#) [VMWatch](#) [Cluebox](#) [Panpan Wechat](#)

Programming Language: Python3, Swift, Objective-C, Node.js, PHP, JavaScript+CSS+HTML5 | Host on: Heroku | GitHub: <https://github.com/TonyZT132>