**[Software Engineer](https://www.postjobfree.com/resume/ad2s88/software-engineer-toronto-on-canada)**

**Location:**Toronto, ON, Canada

**Posted:**January 16, 2024

**Contact Info:**

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647-921-6606

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**Resume:**

ShiQiang(Simon) Wei

647-921-6606 ? weishiqiang@hotmail.com

Objective

To obtain a position where I can maximize my Software Development experience.

Summary of Qualifications

? Experience with Windows Driver with C++ and DDK.

? Solid experience in ANSI C, C++, C#, Delphi, and VB.

? Long experience in Windows, Mac, Android, iOS, Windows Mobile and Linux.

? Excellent understanding of OOP.

? Expert in mobile application development(Android: Java Koltlin & Android Studio, iOS:

Swift & Xcode).

? Extensive experience in PHP, HTML5, CSS, Hugo, JavaScript, Ajax, AngularJS, Vue.js,

Capacitor.js, Node.js, ASP.NET MVC, XML, MySQL, MSSQL Server, Sybase, Oracle,

Python, and Perl.

? Strong understanding of web services (SOAP-WSDL, REST-JSON), Network protocols.

? Broad experience with version control systems such as Git, CVS, ClearCase, and SVN.

? Strong experience in NLP (Natural language processing) and Language Model (hide

Markov model, Viterbi & N-best algorithm, corpus, grammar, text search).

? Background in computational linguistics (Master Degree research: NLP).

? Strong problem solving skills, logical, and analytical abilities.

Professional Experience

Software Engineer Mar, 2017 ? Jun, 2023

Knectek Labs Inc., Richmond Hill ON Canada, http://www.knectek.com

? Fulfilled a Windows Driver (Windows7~10) for Cubinote printer with C++ and DDK.

? Developed two applications on Windows 10 & 7 to print notes with Cubinote. Techniques

such as C#, SOAP, REST, Json are used: https://www.cubinote.com/ftp/CubinotePC.zip

? Finished Cubinote Bluetooth SDK on Android (Java & Android Studio), iOS (Swift &

Xcode) and Windows (C# & VS2015). With this SDK, 3rd parties can print with Cubinote

via Bluetooth: https://github.com/SimonKnectek/CubinoteBleSdk

? Implemented Open API and platform with ASP.NET MVC on Microsoft Azure

https://developer.cubinote.com. With the Open API, 3rd parties can print with Cubinote

(a portable network thermal printer) in their applications by calling the Restful API.

? Developed the Cubinote Print Service on Android with Java & Android Studio.

? Independently Developed https://www.mytracmo.com with Hugo, Bootstrap and Amazon

S3.

? Developed Tracmo Care Android App with Android Studio & Java Koltlin, Vue.js,

Capacitor.js. This App is for our Bluetooth Care Watch for seniors:

https://play.google.com/store/apps/details?id=com.mytracmo.g3.seniorcare

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? Developed Jotting Up Android App for Amazon C26 printer with Android Studio &

Java Koltlin: https://play.google.com/store/apps/details?id=com.knectek.c6.printer

? Developed Tracmo Android App with Android Studio & Java Koltlin. This App is for our

Bluetooth Tracker and Station:

https://play.google.com/store/apps/details?id=com.qblinks.tracmo

? Maintained Cubinote servers on Azure, using IIS, C#, .Net Framework, MySQL, Redis.

? Assisted to solve technical problems with Shopify themes to customize

https://www.hellotownew.com/ and https://knectek.myshopify.com/, mainly used CSS

and JavaScript. The websites are the online stores to sell our portable network thermal

printers, Bluetooth trackers, Self-sealing & self-changing trash can.

? Responsible for Cubinote Android App, which is a app for our business thermal printer

named Cubinote: https://play.google.com/store/apps/details?id=cn.memobird.cubinote

? Independently developed a website https://www.cubinote.com/ on AWS with PHP,

JavaScript, Responsive CSS, Ajax, Restful API, fabricjs, AngularJS, Bootstrap,

ImageMagic, PDF2img etc.

? Developed a SMTP web hook (Cubi Mail) on AWS with node.js. This service enables

Cubinote users to print by sending emails. Currently, about 100 US restaurants are using

this feature to print online orders: https://support.cubinote.com/portal/en/kb/articles/what-

is-cubimail-how-to-use-it

? Built a Chrome Extension for Cubinote with HTML, JavaScript, MySQL, and CSS. With

this Chrome extension, user can print any pages with Cubinote. It can also filter html

content for specific websites according to predefined templates which are stored in

MySQL database, then print the filtered contents in a better format.

? Built an Atlassian Connect app for Jira Software Cloud with Atlassian Connect for

Node.js Express. This Web app enables Jira users to print Jira card with Cubinote.

? Wrote automate API testing cases with Postman.

? Finished http://www.busnvan.com for travel agencies to manage their buses, rent

vehicles from others, and also arrange orders. I implemented it with Java Spring MVC,

MySQL, Tomcat, Google Auth, JavaScript and CSS.

? Tested and localized the app Mymemobird for North America market:

https://play.google.com/store/apps/details?id=cn.memobird.usapp&hl=en

Mobile Application Developer Apr, 2015 ? Mar, 2017

51.ca, Markham ON Canada, http://www.51.ca

? Developed a News app for 51.ca on Android with Java & Android Studio, REST-JSON,

Volley, GPS, Paypal, Stripe, Google map APIs, ShareSDK, SQLite.

https://play.google.com/store/apps/details?id=com.wuyou.app&hl=en

? Improved the performance of our websites search by NLP technology such as Lucene

and CRF++.

? Independently developed an app of Wenba.ca on Android with Java & Android Studio,

REST-JSON, Volley, GPS, Paypal, Stripe, Google map APIs, ShareSDK. This is the

Android version of Wenba.ca (see description below).

https://play.google.com/store/apps/details?id=com.wuyou.wenba&hl=en

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? Finished and deployed an app of Wenba.ca on iOS with Swift & XCode, REST-JSON.

This app lets oversea students to publish & reply questions and articles, develop their

social networks, and find nearby POIs & sales on Wenba.ca.

https://itunes.apple.com/us/app/wen-ba-wenba-for-iphone-ipad/id1001984025?mt=8

? Independently developed an app to verify barcode of group buying for tuan.51.ca on

Android with Java & Eclipse, REST-JSON. This app can enable retailers to redeem their

coupons which were sold to customers on tuan.51.ca.

https://play.google.com/store/apps/details?id=com.wuyou.barcode&hl=en

? Also independently developed the iOS version of tuan.51.ca for merchant with Swift &

XCode. https://itunes.apple.com/us/app/51tuan-gou-shang-jia-

ban/id1066319096?l=zh&ls=1&mt=8

Mobile Application Developer Apr, 2014 ? Apr, 2015

Tap4deal Inc., Markham ON Canada, http://www.tap4deal.com

? Developed Seating Arrangement System on iOS with Swift & XCode. This app enables

restaurants arranging seats for customers with iPads, printing notice by Bluetooth

Receipt Printer, and informing them automatically by SMS.

? Finished & deployed electronic directory for First Markham Place with PHP, MySQL and

JavaScript. Automatically generated paths to all units with Dijkstra's algorithm in PHP.

Now, this system is serving in FMP.

? Built website http://www.tap4deal.com with PHP, MySQL, JavaScript(Jquery, Ajax, Json),

HTML4/5, CSS3, MVCL.

? Developed public accounts on WeChat Public Platform with PHP & MySQL for many

companies, such as Live Escape, Morals Village Hotpot, Fish Legend, etc.

? Developed an app for user fast registration on iOS(Objective C & Xcode, RESTful API).

This app was used in events for quick registration of users.

Senior Software Engineer May, 2006 ? Sep, 2013

Nuance Communications Inc., Beijing PRC, http://www.nuance.com

? Performed Language modeling, including training and improving Advanced Language

Model on Linux with Python, Pinyin segmentation with ANSI C, Data mining from corpus

on Linux with Python, and also modified Phrase benchmark tool with VC++.

? Integrated Nuance?s products such as Swype

(https://play.google.com/store/apps/details?id=com.nuance.swype.trial&hl=en), XT9,

T9Writer, Dragon, Omni Page Cloud service on Android with Java & Eclipse and

Windows 7(Win32/64) with Visual Studio, including UI design and coding of flow. These

products were deployed on many kinds of devices, including Android cell phones of

Samsung, Lenovo, ZTE and Windows 7 tablet of Fujitsu.

? Solved polyphonic Pinyin problem of T9Nav by developing Chinese module with ANSI C.

? Improved Chinese Pinyin input from word-level to sentence-level by implementing a

Sentence-level Pinyin input method with ANSI C. In this engine, algorithms such as hide

Markov model, Bigram, N-best algorithm, Grammar, and Template were used. Also

involved in coding the demo on Windows Mobile 5.

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? Enhanced the accuracy of Decuma (handwriting software of ZI Nuance) by introducing

Bigram, Trigram and Grammar into continuous handwriting sequence.

? Enabled users to input Japanese with joystick by writing a Japanese library.

Senior Software Engineer Feb, 2004 ? March, 2006

Brilliant and Dragon Telecommunication Technology Ltd., Beijing PRC

? Implemented Media server for Voice SMS and e-Fax in multi-thread mode with VC++,

which was a server of CTI (Computer Telephony Integration). The system was sold to

many Chinese Telecoms.

? Developed User terminals for CTI with Delphi and an instant message & VoIP terminal

with VC++ & MySQL. These terminals enable users to send voice SMS, Fax and dial

phone & cell-phone via PC.

? Wrapped the APIs of CTI services with SOAP. The services are including CTD (Click to

dial), Voice SMS, e-Fax and VoIP.

Software Engineer Oct, 2003 ? Feb, 2004

Capital Information Development Company, Beijing PRC http://www.capinfo.com.cn

? Responsible for CMU Phoenix parser which is a module of the Multilingual Information

Service System for the Beijing Olympics, including implementing a Chinese version and

collecting Grammar.

? Responsible for NLG module (Natural Language Generation), including collecting and

building answers.

Software Engineer Jul, 2002 ? Sep, 2003

SDT Telecom Ltd., Beijing PRC http://www.datanggroup.cn

? Implemented CRL (Certificate Revocation Lists) module, export and import certificates

module, Challenge/Response mechanism, transmission of non-sensitive information

module and stamping on documents module for the SJY69 long-distance stamping

cipher system of curia documents with ANSI C & PKI on Linux.

? Contributed to the long-distance stamping system of curia documents with hash by

PDF417, printer server by SOAP and integration with MS Word by VBA. In this project, I

programmed with Delphi and Sybase in C/S architecture.

? DSP programming (programming on ADSP21065L and TMS320F206 with Visual

DSP++).

Education

Master in Computer Science (Computational linguistics) Sep, 1999 - Jun, 2002

Graduate School of Chinese Academy of Sciences

Bachelor in Computer Science Sep, 1994 - Jun, 1998

University of Science and Technology Beijing

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ShiQiang(Simon) Wei 647-921-6606 weishiqiang@hotmail.com

To Whom It May Concern:

Re: Reference for Simon Wei

I am writing to wholeheartedly recommend Simon Wei as an exceptionally experienced software

engineer. Having closely worked with him at Knectek Labs, I confidently attest to his outstanding skills,

resourcefulness, dependability, and self-starting nature.

Simon joined our team at Knectek Labs Inc. as a software engineer in 2017 and swiftly established

himself as an invaluable asset. Throughout his tenure, he consistently showcased superior technical

expertise and a true full stack development capability.

An exemplary trait of Simon Wei is his unwavering dependability, which set him apart. He consistently

delivered exceptional results, meeting deadlines with precision and producing work of the highest

caliber.

Simon Wei possesses an innate drive for success and is a self-starter in every sense. He autonomously

tackled issues, demonstrating a proactive approach and assuming ownership of the outcomes. His

resourcefulness in navigating complex problems and finding innovative solutions was truly remarkable,

contributing significantly to our team's accomplishments.

Beyond his technical skills, Simon Wei consistently demonstrated reliability, trustworthiness, and a

willingness to go the extra mile for the success of the team and the organization.

It is without hesitation that I highly recommend Simon Wei for any software engineering position. He

embodies the qualities of an experienced and accomplished software engineer, with a strong emphasis

on dependability. I am confident that he will make a significant and positive impact in any role he

undertakes.

Please feel free to contact me at jordan@knectek.com if you require any further information or

clarification.

Thank you for considering Simon Wei for this opportunity.

Sincerely,

Jordan H. S. Pan

CEO

Knectek Labs Inc.