

Alan Chang

Senior Engineer at XAC Automation Corp.

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Summary

- Hold both Canadian and Taiwanese citizenships
 - Speak fluent English, Mandarin, Cantonese and French
 - Experiences in software industry with focus on wireless application development / testing
 - Testing process optimization / automation to increase efficiency
 - Cross departmental communication
 - NFC mWallet experience
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Experience

Senior Engineer at XAC Automation Corp.

September 2015 - Present

- familiarize kernel brand application specifications like NFC, EMV, Visa, Mastercard, AE etc
- write test script using lua language for test automation
- leverage Level 3 test tools to verify ISO 14443 certified terminal readers.
- troubleshoot FAE contactless-related issues from customers
- maintain test application on Windows PC, WinCE and Android to enhance test efficiency.

Senior Engineer at Toro Development Ltd.

February 2014 - July 2015 (1 year 6 months)

- Test NFC mobile wallet application with multiple Visa payment systems
- Contribute to test case creation of various test template
- Test wallet according to Visa payWave MAVE requirements
- Contribute to launch of VALYOU wallet (<http://valyou.no/en/>)
- Write Automated testing script for Android OS: python / sikuli / Android testing tools / soapUI

Related projects:

- VALYOU Wallet (Telenor NO)
- Akami Business Intelligence

Content Moderation Specialist at Nokia

November 2011 - October 2013 (2 years)

- Windows Phone 7.x/8.x mobile application moderation/QA testing

- Daily conference calls with vendors and Microsoft team to discuss test plans/process changes/update moderation guidelines to meet government regulatory
- Plan high-level moderation testing workflow process; enhance workflow regularly to improve test efficiency/quality/cost
- Provide Tier 1 technical/policy support; analyze and escalate to Tier 2 accordingly
- Provide test automation opportunities to replace manual workaround
- Review Window Phone Store test plan/test case to ensure sufficient test coverage
- Use Windows Phone SDK including deployment tools and emulator for testing
- Study WP sample codes to learn associated C# API
- Postmortem analysis for themes and age-rating of Nokia Publish content

Mobile Application Developer at Global Relay

November 2010 - August 2011 (10 months)

- Maintain Java –based source codes, fix bugs, develop features for mobile applications on Blackberry/Android/iPhone
- Regular code review with senior engineers for code quality improvement and learning
- Design and implement prototypes of Blackberry/Android projects leveraging JSON/HTTP/Junit/Phone, SMS, MMS and Bluetooth API
- Maintain automated build process using XML/Perl/Ant/Cygwin
- Agile development process/Subversion/JIRA/QA testing

Mobile Application Developer at British Columbia Lottery Corporation

July 2010 - September 2010 (3 months)

- Develop prototypes of new lottery mobile applications for Blackberry.
- Daily scrum meeting with business managers and cross functional teams to update on progress and discuss business requirement changes
- Agile development process/Subversion/JIRA /QA testing

Mobile Programmer at Nokia

July 2009 - July 2010 (1 year 1 month)

- Implementation of mobile applications including IM and Email mobile applications
- Port Java applications to Nokia, LG, Samsung, Motorola, S/E, Pantech, ZTE.
- Sound knowledge of device behaviors and flashing tools for different branded handsets.
- Interface with device vendors, carriers, and portals to discuss bug reports and device limitation.
- Rational ClearCase/ClearQuest for source control and build management.
- Working experience with Eclipse and IntelliJ IDEA, Blackberry JDE.

Mobile Programmer at EA Mobile

September 2008 - July 2009 (11 months)

- Port and debug EA Mobile games to Blackberry/BREW/J2ME handsets
- Working knowledge of J2ME/RIM API/Ant/XML/Perforce/CVS

- Weekly meetings to provide updates of the projects, handset launch dates, technical issues and solutions.
- Monthly Game source code maintenance with internal framework updates.

Mobile Programmer/Tester at Tira Wireless

August 2004 - September 2008 (4 years 2 months)

- Report issues/improvements to product team in order to enhance the product to work more productively
- Manage and assign tasks for Sony/Disney projects for pre-commercial handsets
- Provide technical support to outsourced vendors
- Mentor in-house junior engineers
- Port mobile applications/games to BREW/Java/Blackberry devices and fix bugs
- Use Agilent 8960 to conduct various network simulation testing

Education

University of Toronto

Bachelor, Electrical and Computer Engineering, 2000 - 2004

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[Contact Alan on LinkedIn](#)