Felixqk.github.com

KUN QIAN

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INDUSTRY EXPERIENCE

Software Engineer   **Bubble Motion Inc (Bubbly)**   **Feb14 – Now/Singapore**
Responsible for **Android Platform** for Bubbly, a leader in mobile voice social networks and messaging for both feature and smart phone, and a VC backed startup ($60m from Sequoia etc.) with 40m users.   (*(Java/Android, Scala/Play/AWS*)

- o Developed new bubbly voice messaging and blogging platform through the full agile development life cycle;
- o Improved performance & robustness by caching, threading, progressive loading, resource monitoring and bug fix;
- o Enhance extensibility & testability by modularize class design, separate biz logic, and remove circular dependency;
- o Coordinated well and worked closely with Server, Product, QA, Marketing, Operation and Supporting teams;

Software Engineer (Full Stack)   **Global Enterprise Mobility Lab, HCL**   **Apr12 – Jan14/Singapore**
Core developer and innovator in the Mobility lab of HCL (No.4 largest IT company in India); Received top performance review (9.3/10) by performing duties in two aspects:

- *High Performance Application Development*   *(Java/Android, Java/Play framework)*
  - o **Lead Android developer** in redesigning a major ecommerce app (ScanDelight) for SingPost in a team of 7 persons in 1 year; rebuild the architecture and systems (1st phase); extended with 20% new features (2ed phase);
  - o Redeveloped WebService API and data synchronization strategy; optimized *SQLite* database design; improved memory usage; boosted page loading via threading and caching; achieved average *400%* performance gain;
  - o Refactored code base to better follow *MVC* and *OO* design pattern; reduced *2/3* codes and enhanced extensibility;

- *Rapid New POC/Product Development*   *(Java/Android, C#/Windows8, JS/HTML5/CSS, RoR/Node/AWS)*
  - o Identified strategic portfolios by rapid Proof of Concept (POC) development for global customers (MayBank , URA, VISA, EDB, Manulife etc), leveraging *SMAC (Social, Mobile, Analytic, Cloud)* technology and *Agile* approach;
  - o **Lead developer and UX designer** in delivering *3* novel and comprehensive mobile products on multiple platform (Android, iOS, Windows 8, PhoneGap): (*FinEdge* – Mobile CRM for Banks, *Hawkeye* - Mobile Field Service System for Governments, *VISABrowser* - Voice Authorized Mobile Wallet for Consumer);

Co-Founder (Dev / UX / Product)   **GroupCells Pte Ltd**   **Jan11 – Jan12/Singapore**
Created an interests and location aware mobile Social Network (GroupCells) for strangers to establish instant connection group; Developed two products: Groupcells for sharing pictures and for making business connection;   *(Java/Android)*

- o Worked in a team of 5 developers; developed the grouping algorithm and mobile interface; created business plan;
- o Achieved finalist (Top 10) in *SingTel i.Challenge 2011* Startup Competition; Reported by *TechCrunch*, *TechNode* etc;

RESEARCH EXPERIENCE

Graduate Researcher   **Human Computer Interaction Lab, NUS/UOM**   **Feb09 – Jan11/Singapore, Canada**
Intelligent UX: Researched in providing intelligent services and delightful user experience by converging *HCI* and *Machine Learning* technologies; Implemented 3 innovative systems on *mobile, web* and *robotic* platforms.   *(Java/Android, C#/WPF)*

Research Intern   **Media Computing & Web Intelligence Lab, Fudan**   **Sep07 – Jul08/China**
High Dimensional Data Processing: Developed a cluster-based ensemble semi-supervised learning algorithms for high dimensional image classification; achieved 16.31% accuracy improvement compare with *SVM* on Geo-Sensing Data;   *(C++)*

SKILLS

- **Mobile/Frontend:**   **Java/Android (Expert)**, C#/Windows8, JavaScript/jQMobile/Bootstrap/PhoneGap, Obj-C/iOS
- **Web/Backend:**   Java/Scala/Akka/Play Framework, Ruby on Rails, JavaScript/NodeJS/Express, C++, AWS/Heroku
- **Data/Analytics**:   SQL/SQLite/MySQL, NOSQL/MongoDB, Big Data/Hadoop, Flurry/Crashlytics/Google Analytics
- **Dev/Process/Tools:**   UI/UX/Product, Agile/Scrum, IntelliJ/Sublime, GitHub/SourceTree, Maven/Nexus, Jenkins/Sonar

EDUCATION

M.SC in Computer Science   **National University of Singapore (NUS)**   **Aug08 – Jun12/Singapore**
- GPA: 4.56/5, Top 5%, Specialized in *Human Computer Interaction*, Full PHD Scholarship

Double Bachelor Degree   **Fudan University**   **Sep04 – Jul08/China**
- B.S in Computer Science and B.B.A in Accountancy. GPA: 3.4/4, Top 10%, Specialized in *Machine Learning*

Honor & Awards: Outstanding Leader (1%), Top Ten of School of Information (1%), Outstanding Graduates (1%)