

ARUNSINGH VICTOR

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Career Highlights:

- Over **9 years** of quality software engineering experience in defining software, organizing data, designing/implementing the system.
- Recent **6 years** of extensive mobile development experience on **Android** platform (since Android 2.0 Éclair) writing apps/middleware for smartphone/tablet/wearable devices.
- Highly proficient in writing Android apps having **in-depth knowledge** of **Android** and **Java** framework.
- **End-to-end product development experience**, in a fast-paced and dynamic environment, for new, innovative wearable products like Motorola MotoACTV, Samsung Gear1, Gear2, Gear3.
- Collaborative work experience with world class engineers across various geographical locations like **Motorola USA, Samsung USA / South Korea, iQNECT Singapore**.
- Consistently rated as a **top performer** and compliance with company goals and policies.
- **Advance level of competency** in implementation of algorithms and use of efficient data structures to solve problems in day-to-day coding.

Work Experience:

- Lead Android Developer, **iQNECT Pte Ltd, Singapore**, Mar 2016 to till date
- Technical Lead, **Samsung, Bangalore / S Korea / USA**, Oct 2012 to May 2016
- Senior Software Engineer, **Motorola, Bangalore / USA**, Apr 2010 to Sep 2012
- Software Engineer, **Hewlett Packard, Bangalore**, Aug 2006 to Apr 2010

Education:

- **BE, Computer Science**, SRM Engineering College, Anna University, May 2006, **76%**
- **XII Class, HSC**, Carmel Higher Secondary School, TN state board, March 2002, **95%**
- **X class, SSLC**, Carmel Higher Secondary School, TN state board, March 2000, **93%**

Technical Skills:

Languages	Java
Technologies/ Frameworks	Android SDK, JDK 1.5, JSON, GPB J2EE (JDBC 3.0, JNDI, Servlets), Struts 1.1, Spring 2.0, iBatis, Log4j, Java Mail, Apache POI
Android tools	Adb, HProf, Method profiling, MAT, HierarchyViewer, layoutopt
Web Technologies	JSP, Java Script, HTML, XML, CSS
Servers	Apache, Tomcat, Weblogic 10
RDBMS	Oracle 9i/10g, SQLite
Version Control System	Git, Perforce, Clear Case, Visual Source Safe, Borland Star Team, CVS

Professional Experience:

 www.iqnect.org

March 2016 to Till Date

35 Ann Siang Road, Singapore 069714

- Single handedly managing the android client with responsibilities of architecting, designing, implementing new features involving image matching, video recognition.
- Optimized the image extraction module by implementing Executor framework.
- Optimized the server session handling by maintaining token for server requests until its validity.
- Designing & implementing new features like card layout, multiple payload support, integrating augmented reality.
- Redesigning the application with new material design UX concepts like Lollipop's ripple effect, Shared element transition, content transition, etc.



Galaxy Gear S / Gear2 / Gear1 / Galaxy S5, S6

Oct 2012 to April 2016

- Worked on more than 20+ apps in Samsung including middleware services, native apps, framework libraries.
- Designed and implemented content sync module between multi-source content providers and a companion smart device for Samsung Smart TVs using SyncAdapters, ContentProviders, Services.
- Designed and implemented dynamic grid UX for displaying content using ListView, Loaders,
- Designed and implemented modules for connection establishment, data exchange, status exchange with wearable using Services, AIDL.
- Designed and implemented backup/restore module using Samsung Cloud Apis, File/Folder operations
- Designed and implemented notifications module which listens to smartphone notifications, extracting the notification data using standard NotificationManager APIs(Android 4.4 and above) or parsing the notification layout to get the notification data(Android 4.3 and lesser versions), forming JSON serializable objects and transferring to the connected Wearable.
- Performed memory leak analysis for multiple apps, identified the expensive leaked objects and fixed them using Eclipse MAT analyzer, Memory heap dump.
- Exposure to Android framework by working on Accessibility apps, OS upgrade projects for native apps like Contacts, Clocks, Calculator
- Commercialization support in Samsung HQ, South Korea, for many apps/devices during product launches.



MotoACTV

April 2010 to Sep 2012

- Started working on Android 2.0 Éclair for the first smart fitness watch called MotoACTV and wearable platform.
- Implemented the Human Activity Engine which is middleware service responsible for collecting data packets from hardware sensors like pedometer, gps, power sensor, speed sensor using Thread, Services, SensorManager.
- Implemented data filtering, data priority, data aggregation/smoothening logic on the collected data, forming data event and exposing Apis using AIDL, Parcelable objects.
- Implemented service to calculate daily metrics like calories, steps using Android Services, SQLiteDatabase.

- Implemented Service to download Golf course data from server via Wi-Fi/USB, using DownloadManager, File, Zip operations.
- Implemented features like Best 8 minutes, Fitness test, Summary screens using Thread, SQLiteDatabase, ListView, Dao classes.
- Implemented framework libraries accessible to all apps running in the system.
- Travelled to Motorola USA three times for requirements & interface discussion with product and platform teams.
- Participation in Field testing & User Trials conducted in USA representing engineering team and assisting them.



Aug 2006 to April 2010

- Worked on HP's financial web based applications performing tax calculations, year-end calculations, invoice processing, purchase order processing, payment systems, invoice inventory system.
- Implemented the changes for tax calculation system to accommodate new entity codes across system in java servlets, spring, dojo,
- Involved in requirement gathering, design discussions, implementation of migrating legacy system to newer consolidated system.
- Implemented EDS integration changes for APOnline application by modifying unix shell scripts, altering Oracle database table structures, changing web UIs.
- Worked on reporting tool of ARTT application based on Business Objects by creating universes and writing report queries.
- Developed migration tool in C#.Net which caches documents from FileNet and upload to Windows server using SFTP.
- Developed ASP.Net application to retrieve documents from Oracle blobs and display in application.
- Developed VC++ components for mailing functionality, document retrieval from Oracle blobs, importing images into the application.

Milestones:

- Special assignment to **Samsung USA (New York)** for a research product for a period of 8 months.
- Awarded **Samsung Employee of Month** for excellent contribution to **Wearable** technical group.
- Awarded **three times** in HP for **Outstanding Efforts**.
- Got job offered by Hewlett-Packard through Campus Recruitment.
- Stood **School Third** in 12th standard (2001-02)
- Awarded **Certificate of Merit** from TamilNadu Education Department in 10th standard (1999-2000)

Personal Profile:

Age	31
Marital Status	Married
Languages known	English, Tamil
Passport#	L3392330
	US - L1B Visa holder, valid till December, 2017
	US - B1 Visa holder, valid till July, 2020.
	Singapore EP holder FIN# G3256324X

Place:

Date:

(Arunsingh Victor)