# Dante Russo

Staff Software Engineer at Qualcomm

## Summary

N/A

## Experience

**Staff Software Engineer at Qualcomm**

May 2012  -  Present

Led the Location HAL Team in software developed on Android smartphones and tablets for location based features, including AGPS/SUPL, fused location, network location, and geofence in the Hardware Abstraction Layer for all Qualcomm based chipsets. Notable products using Location HAL Team's location implementation are Google Nexus 4, Nexus 5, Nexus 6, and Nexus 7.

Designed location feature APIs jointly with Google on upcoming Android releases, including Android JellyBean, Andoid Kitkat, and Android Lollipop. Notable features include geofence API and location batching API used by Google Now App and Maps App..

Designed Location HAL architecture/build structure for different flavors of Android, including Stock Android, Android with Qualcomm IZAT© features, and Android for Wearables.

Implemented feature APIs in native C/C++ code in the hardware abstraction layer in a multithreaded environment with a big emphasis on memory efficiency and power consumption.

Mentored team members in a leading role, including design review, code review, and training sessions on Android process and location architecture.

Debugging of reported customer issues

**Senior Telephony Software Engineer at Palm**

2007  -  May 2012 (5 years 5 months)

Developed telephony libraries for smartphones and tablets on webOS embedded linux. I worked collaboratively with a cross-functional team to design to develop improved wireless telephony software architecture, integrating/porting existing telephony software, and extending telephony APIs to support new functionality with a primary focus being on GPS and SIM functionality.

**Senior Engineering Consultant**

2006  -  2007 (2 years)

Contracted for Motorola and Palm on Windows Mobile Smartphones that involved device drivers, power management, and location based services.

**Senior Software Engineer**

2003 - 2006 (4 years)

I solely designed and developed the software front end for a Windows CE based data camera that involved a UI application, device drivers, and power management.

## Education

**California State University-San Bernardino**

Bachelor's degree, Computer Science, 1998 - 2002

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Contact Dante on LinkedIn