

# ALANKRUT PATEL

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## PROFESSIONAL PROFILE

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A results-driven, highly analytical software developer who offers a diverse skill set. I am very enthusiastic about programming and technology, take great pride in my work, and am always willing to learn more. I can be found outside of work enhancing my development skills through various side projects and by staying informed of cutting edge technologies.

### CORE STRENGTHS

- Superior time-management and problem-solving skills
- Continually improving skillset at the workplace and during personal time outside of the office
- Excellent communication skills; written and verbal
- Adept in a collaborative environment

### TECHNICAL SKILLS

- Languages: Java, SQL, C++, Python
- Technologies: Android SDK, MQTT, Z-Wave, RESTful/SOAP Services, Arduino SDK
- Data Formats: XML, JSON
- Version Control: Subversion, Git, Microsoft TFS
- Methodologies: Object Oriented Programming, Agile, UML, Design Patterns

## PROFESSIONAL EXPERIENCE

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- June 2015 – Present      Software Developer, *State Farm Insurance Company*
- Supported the Java backend for State Farm Bank's vehicle loan underwriting engine.
  - Developed a crucial component of the software without which the business partners did not feel comfortable to expand the product into further markets.
  - Provided business partners with detailed estimates for enhancements so they can better strategize future releases.
  - Trained directly by the DBA in SQL, allowing me to better test and develop pieces of the application which rely heavily on database configurations.
  - Redesigned several nightly batch jobs to run more efficiently, one of which saw its runtime cut by more than half.
  - Assisted the maintenance of some Adobe ColdFusion components of the engine.
  - Addressed a security vulnerability found during a routine dynamic code scan of the application.
- April 2013 – Nov. 2014      Intern Developer, *UTS Warranty*
- Designed and developed an Android client allowing warranty technicians to assist customers intuitively and with far greater ease.
  - Integrated the Android application with the company's pre-existing RESTful services, this added another platform on which their software could be used.
  - Worked natively with Android APIs allowing the user to capture images and digital signatures of customers.

## PERSONAL PROJECTS

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- Android Applications      Published several Android applications to the Google Play Store. These applications are of the utility category, aimed at making everyday life easier for the user. Currently working on an automation application to handle normal everyday tasks, and also some advanced (REST calls).
- Home Automation      Utilized several open-source projects (primarily written in Python) to stand up a dedicated home automation server. Consisting of automated control, presence detection, video monitoring, wireless controls, and seamless integrations between various devices.
- IoT Sensor      Created an Internet of Things sensor using an ESP8266 microchip. Sensor is capable of monitoring a variety of parameters, such as motion, temperature, and carbon monoxide. Then posts them to a MQTT server for further processing.

## EDUCATION

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- Aug. 2012 – May 2015      Bachelor of Science in Computer Science. *University of Texas at Dallas*. Richardson, TX