ALANKRUT PATEL

Portfolio: alankrut.com
Email: alan@alankrut.com

PROFESSIONAL PROFILE

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

TECHNICAL SKILLS

- Languages: Java, SQL, Kotlin (basic), Python (basic)
- Technologies: Android SDK, MQTT, Z-Wave, RESTful/SOAP Services, Arduino SDK, UNIX
- Data Formats: XML, JSON
- Version Control: Subversion, Git
- Methodologies: Object Oriented Programming, Agile, UML, Design Patterns

PROFESSIONAL EXPERIENCE

June 2015 – Present — Software Developer, *State Farm Insurance Company*
- Served as a key point of contact for the Java portion of State Farm Bank's vehicle loan underwriting engine. This included making enhancements and maintaining legacy code.
- Developed a solution that was critical to our business partners that ultimately addressed a compliance gap. Without which the application could not be released to more volume.
- Trained directly by the DBA in SQL, allowing for a greater understanding of the database, which lead to increased productivity for data heavy portions of the application.
- Redesigned several nightly batch jobs to run more efficiently, most of which saw the reduction in time anywhere between 75-90%.
- Provided business partners with detailed estimates to better strategize future releases.
- Assisted with the maintenance of some Adobe ColdFusion components of the engine.
- Addressed several security vulnerabilities found during dynamic scans of the codebase.

April 2013 – Sept. 2014 — Intern Developer (Android), *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

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 (NFC/REST).

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

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