Shakir Ali

● Email: shakir@badgerworks.org ●

Summary

Computer Science Graduate with 2 years of industry experience of developing software for embedded systems and mobile applications. Familiar with, but not limited to, application development frameworks such as Symfony, JAX-RS/Jersey, Android, GStreamer, Node.JS. Motivated by problem solving, writing efficient code and collaborating with peers. Maintains website hosting some of the personal work at http://badgerworks.org

Professional Work-Experience

Agility Technologies

Software Engineer Contract   Sept 2016 – Feb 2018
• Wrote the GStreamer app to mux HD 360 video and audio streams to the disk with compatible tags.
• Met the tight release deadline and the latency requirements on the specified android device.
• Released and maintained the Android Application to view live 360 video, connect and control the FL360 camera used by Urban S&R teams.
• Worked part time while taking my courses.

ACD Systems

Remote Web Developer   Apr 2015 – Dec 2015
• Restarted the Android Application development to catch up to the API changes, redefined Models and Classes, reset the distribution stream for the Application.
• Worked with EXIF Tagging and 3rd party integrations for cloud syncs of videos and images
• Developed the in-app Camera Using android.hardware.camera2 API.
• Worked part-time while taking my courses.

Web Developer Co-Op   Sep 2014 – Mar 2015
• Did updates, merges and rollouts of the websites to push critical marketing campaigns.
• Migrated Organization-wide Bug-tracking stack from local deployment to AWS.
• Developed Java+SQL REST API to replace older NodeJS+noSQL one to better support embedded devices and architectures while maintaining total compatibility of the Interface.
• Added EXIF parsing, stronger access-token generation, prepared database statements, dpkg scripts to the REST API.
• Daemon-ized the service for embedded systems, Setup Continuous Delivery repository to support 3 different Operating Systems and 3 different architectures.

Education

Associates of Science (Computer-Science)   Sep 2015 – Aug 2017
Langara College – Vancouver, BC

Bachelors of Applied Science (Mechatronic Systems Engineering) - Paused
Simon Fraser University – Surrey, BC   Sep 2013 – Mar 2015
• Good Academic Standing.
• Media Release - https://www.sfu.ca/university-communications/media-releases/2015/passion-for-innovation-flight-leads-students-to-create-avian.html

Skills

● Languages: Java, C/C++/C#, JavaScript ● IDE: Eclipse, Android Studio, Visual Studio ● Data Storage: PostgreSQL, JDB