Hector Colon

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http://hec.to/r

EXPERIENCE

Engineer II, Echostar
Atlanta, GA— Nov 2011 - Present

5 years as a C Embedded Linux Engineer. Started out on a small team working on various Satellite TV set-top-boxes. Eventually moved to developing a TV-based Home Automation Hub and became technical lead on live camera playback and video drivers. Coordinated efforts between multiple teams when driver expertise was needed.
Accomplishments include:

- Implemented set-top-box Smart card security for pay-per-view events
- Designed and wrote ability to view security cameras live on the Home Automation Hub
- Managed and merged manufacturer's driver code
- Wrote and maintained FCGI daemon to allow a webkit based UI to interact with other processes
- Kernel and BusyBox development as new features required

System Tech, HostDime
Orlando, FL— Apr 2010 - Nov 2011

System Tech at the datacenter of one of the top 50 web hosts in the world. While there, I took initiative to write an Android App to automate common tasks and view customer requests while on the datacenter floor.
Responsibilities included:

- Uptime monitoring
- Hardware upgrades
- Tier II support

EDUCATION

University of Central Florida —
B.S. Computer Engineering , 2011

PROFESSIONAL SKILLS

- C, C#, Java
- Eclipse, Visual Studio
- Git, Subversion, CVS, ClearCase
- Linux – gcc, vim, make, ect.
- Embedded Linux Development
- Android SDK

PERSONAL PROJECTS

- Lyftstimate - Android app that will estimate your fare for the ride-share app Lyft.

- Motion Turret - Senior Design Project was an automated turret that used a webcam for motion detection and fired on targets using an airsoft gun. Wrote the motion tracking and microcontroller code, as well as the GUI for manual control. The onboard software was written in C# using Visual Studio. The microcontroller code was written in Arduino's Wired programming language and IDE.

More information about these projects at my website: http://hec.to/r