Sunil Murthy

✉ sunhick@gmail.com   in linkedin.com/in/sunhick

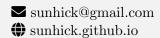🌐 sunhick.github.io   ○ github.com/sunhick

SUMMARY

Experienced Software Engineer with 8+ years in enterprise software development and cloud computing. Currently Senior Software Engineer at Amazon Web Services, specializing in mobile device management and secure access solutions. Proven track record in developing scalable cloud services, medical imaging software, and IoT systems. Strong background in machine learning, data mining, and distributed systems with expertise in C#, Python, AWS, and modern software engineering practices.

WORK EXPERIENCE

Graduate Research Assistant

University of Colorado, Boulder   *Dec 2015 - Present*

- Development of firmware for YPOD(Arduino Yun and chemical sensors) a low cost air quality monitoring system. Supervisor: Prof. Michael Hannigan
- Developing MongoDB backend using AWS for storing the data streamed by Arduino yun over the WiFi module.
- Colloboration and integration of YPOD data with OpenAQ, a real-time database that provides programmatic and historical access to air quality data.

Graduate Teaching Assistant

University of Colorado, Boulder   *Aug 2015 - Dec 2015*

- Taught Data structures in C++11 to undergraduates. Under supervision of Prof. Rick Osborne.

Senior Software Engineer

Siemens Healthcare, Bangalore   *Jan 2014 - Jul 2015*

- Design, development, Unit testing of software components related to medical imaging software - Syngo.Native(Siemens proprietary software platform for imaging)
- Design and development of display manager for DICOM image rendering using Direct 3D and WPF.
- Prototyping of data management module for Imaging software.

Systems Engineer

Siemens Healthcare, Bangalore   *Jul 2011 - Jan 2014*

- Design, development, unit testing and bug fixing of medical Imaging software.
- Exploring and incorporating the new algorithms, strategies to meet the performance(Increase by 5%) and memory(reduced leak of 100 MB/hr) in the product.
- Knowledge management by documenting details of all software components.
- Coordinating and Integrating 3rd party software package into sygno.Interventional product.
- Providing timely trainings and hands on session to the team to keep up with the latest Microsoft technologies (WPF, WCF, PRISM).