

BRYAN MALYN

Austin, TX

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TECHNICAL KNOWLEDGE

Basic Knowledge: C, PHP, HTML, JAVASCRIPT, KUBERNETES, \LaTeX
Intermediate Knowledge: RUST, Relational Databases, Ansible, GIT, JAVA
Advanced Knowledge: CFENGINE, PYTHON, Linux Administration

WORK EXPERIENCE

SAMSUNG AUSTIN R&D CENTER (SARC)

Nov. 2017 - Present

Senior Engineer
Engineer II

MAR. 2021 - Present
NOV. 2017 - MAR. 2021

Product owner of critical tools including: CFENGINE, TESTNFRA, GRAPHQL, and our CMDB; including managing the required infrastructure to support these tools and performing critical updates. Create tooling in our configuration management tool, CFENGINE, which makes it easier for other team members to make changes to installed packages or to lay down files (templated, raw files, and files from an http sources). This is done by writing CFENGINE policy that parses through json files which describes what files will be placed, what permissions will be set on the file, who owns (user/group), and where those files come from. Provide tooling around our CMDB; including command line tools, REST API and GRAPHQL. GRAPHQL exposes all of the data in our CMDB through and augments the data with data from many other sources including: snmp, ZENOSS, JIRA, SPLUNK, INFOBLOX, SATELLITE, and ELK(TESTINFRA backend). Automated ZENOSS monitoring of systems by synchronising with our CMDB to add/remove devices as they come online and are retired; and to update device production states, monitoring templates, and roles.

INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM)

AUG. 2015 - OCT. 2017

Cloud Automation Specialist

Created tools to ease my team's effort for periodic revalidation processes. Created new processes to decrease our clients' workloads, with a focus on security compliance. Created an IoT system, in PYTHON, to record metrics from our labs including power, temperature and humidity. Created graphs and alerts based on those metrics using INFLUXDB, GRAFANA, and KAPACITOR.

U.S. CUSTOMS AND BORDER PROTECTION (CBP)

SUMMERS
2012 - 2014

Wireless Systems Program Office Intern

Compiled lists of radio sites across the nation. Optimised a data migration process from various projects to a standardised file structure, which would have taken months to do by hand. Created a process to calculate Operational Availability, and highlighted critical information.

SUMMER 2011

Chief Technology Office Intern

Increased usability of an inventory database by gathering meta-data for thousands of entries. Investigated a middleware platform, and documented my findings to decrease the time other groups would spend on standing it up in the future.

JUN. 2009 - AUG. 2010

Field Technology Officer Intern

Worked on a dynamic IT team that provided server maintenance and support to our customers, both in person and over the phone.

CERTIFICATIONS

JAN. 2021 - Present: ITIL® Foundation Certificate in IT Service Management · **AXELOS**

CONFERENCES

AUG. 2015

Critical Alternatives 2015: 5th Decennial Aarhus Conference
Published and demoed: [Light is Loud: A Sound Driven LED Suit](#)

DEC. 2014

8th International Conference on Ubiquitous Computing and Ambient Intelligence
6th International Work-conference on Ambient Assisted Living (UCAmI & IWAAL 2014)
Published: [The Brightnest Web-Based Home Automation System](#)

EDUCATION

MAY 2015

Bachelor of Science in COMPUTER SCIENCE, **Virginia Tech**, Blacksburg, VA
Magna Cum Laude · MAJOR: Computer Science · MINOR: Math

FALL 2013 - SPRING 2014

Study Abroad at **Luleå Tekniska Universitet**, Luleå, Sweden
COURSE WORK: Masters Level Computer Science and Swedish Language