

# BRYAN MALYN

bim9262@gmail.com · (703) 774-2253

## TECHNICAL KNOWLEDGE

---

- PYTHON
- RUST
- JAVA
- JAVASCRIPT/TYPESCRIPT
- HTML
- PHP
- C
- AWS
  - Neptune
  - SageMaker
  - RDS (Aurora)/Dynamo
  - ECS/EC2/Lambda
  - S3
  - CloudFormations/CDK
- Relational Databases
- REST APIs
- GRAPHQL
- Linux
- GIT

## WORK EXPERIENCE

---

- |                        |  |   |
|------------------------|--|---|
|                        | <b>AMAZON</b>  |   |
| SEPT. 2022 - Present   | <b>Software Development Engineer II</b><br>Working on the Privacy team to create data lineage tools to help Amazon comply with regulations such as GENERAL DATA PROTECTION REGULATION (GDPR), CALIFORNIA CONSUMER PRIVACY ACT (CCPA), and DIGITAL MARKETS ACT (DMA).   |   |
|                        | <b>SAMSUNG AUSTIN R&amp;D CENTER (SARC)</b>  |   |
| Nov. 2017 - SEPT. 2022 | <b>Senior Engineer<br/>Engineer II</b>   | MAR. 2021 - SEPT. 2022<br>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. |   |
|                        | <b>INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM)</b>   |   |
| AUG. 2015 - OCT. 2017  | <b>Cloud Automation Specialist</b><br>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 INFUXDB, GRAFANA, and KAPACITOR.  |   |

## CONFERENCES

---

- |           |   |
|-----------|---|
| AUG. 2015 | <b>Critical Alternatives 2015: 5<sup>th</sup> Decennial Aarhus Conference</b><br>Published and demoed: <a href="#">Light is Loud: A Sound Driven LED Suit</a>   |
| DEC. 2014 | <b>8<sup>th</sup> International Conference on Ubiquitous Computing and Ambient Intelligence</b><br><b>6<sup>th</sup> International Work-conference on Ambient Assisted Living (UCAmI &amp; IWAAL 2014)</b><br>Published: <a href="#">The Brightest Web-Based Home Automation System</a> |

## EDUCATION

---

- |                         |   |
|-------------------------|---|
| MAY 2015                | <b>Bachelor of Science in COMPUTER SCIENCE, Virginia Tech, Blacksburg, VA</b><br><i>Magna Cum Laude</i> · MAJOR: Computer Science · MINOR: Math<br>CAPSTONE: Creative Computing · ADVISOR: Prof. STEVE HARRISON |
| FALL 2013 - SPRING 2014 | <b>Study Abroad at Luleå Tekniska Universitet, Luleå, Sweden</b><br>COURSE WORK: Masters Level Computer Science and Swedish Language  |