

Tom McNulty

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EDUCATION

- **Rochester Institute of Technology** Rochester, NY
Bachelor of Science in Applied Networking and Systems Administration *May. 2012 – Aug. 2019*

EXPERIENCE

- **Autodesk, Inc.** Boston, MA
Sr. DevOps Engineer *March 2019 - Present*
 - **Hardened AMIs with Packer:** During OS upgrades I created an internal Packer build for our product's systems that apply CIS guidelines for system hardening.
 - **Observability:** A large portion of my work at Autodesk has been in regards to observability. By increasing the usefulness of information the application generates it's easier to maintain and understand what is occurring within. This work includes logging protocols and infrastructure, splunk, New Relic, and Datadog.
- **athenahealth** Watertown, MA
Sr. Site Reliability Engineer *Jun 2016 - March 2019*
 - **Disaster Recovery & Incident Command:** Large clients of athena's require dedicated disaster recovery testing and attestation. Historically an unorganized process, I lead the creation of comprehensive policy and structure that reduced errors and hardened the process.
 - **Application Engineering:** athena was growing and expanding into more complex sites. To simulate changing geographical distance between split components of the application I wrote eBPF queuing disciplines to add latency based on destination.
 - **Tooling:** Wrote multiple tools to automate changes within infrastructure including provision and management of a distributed DNS infrastructure.
- **DataSol** Ashburn, VA
Systems Engineer *Nov 2013 - Aug 2016*
 - **Level I & II Tech Support:** Answered phones and provided first line technical support to MSP customers. Administrated OWA and Exchange services. Managed backup and operation of MSSQL Databases.
 - **Machine Imaging:** Built tooling for automatic client specific configurations of endpoints.
- **Rochester Institute of Technology** Rochester, NY
RIT Ambulance — President, Medic, Driver, IT Chair *May 2012 - May 2016*
 - **Lead Developer - CallBoard:** Designed an interface to transmit 911 pager data from digital RF to SMS and push notification. Pete wrote the java program that accepted a serial dump and placed the data in a database I built, and I wrote a webapp that recognized the new information and posted it to AWS SNS and a display. ~40 EMS personnel were notified of new 911 calls via this system.

TECHNOLOGY

- **Languages:** Strong Perl. Python. C flavors, Go, SQL, Ruby for puppet and rspec. **Technologies:** AWS, Apache, Ansible, Chef, Docker, rabbitmq, fluent, ElasticSearch, puppet, perforce, git, Travis-CI, Terraform, NodeJS, Nginx, Meteor, MySQL and Oracle, Ruby, Rails, RHEL, engineering level understanding of TCP, UDP, DHCP, DNS, SSL, others.

PROJECTS

- **24 Hours of Lemons:** I captain a small team of dedicated individuals who compete in endurance auto racing.
- **github.com/TLMcNulty/Lemongrass:** Software and hardware for the above race team. Includes telemetry and communications.
- **Signal:** Low cost solution to turn traditional street signs into smart V2V beacons.
- **Music:** I love playing guitar, guitar pedals, and music theory.