

EDUCATION

- GEORGIA TECH**, Atlanta GA 2022 - 2024
OMS CS - Specialization in Computing Systems
• Computer Networks, Software Development Process, Information Security, Software Architecture
- VIRGINIA TECH**, Blacksburg VA Aug 2013 - 2018
B.S. Computer Science, Minor in Math
• Computer Systems (C / Assembly), Human Computer Interaction, GUI, Data Structures & Algorithms
- CARNEGIE MELLON**, Pittsburgh PA (AP/EA Pre-College - Fundamentals of Programming) Summer 2012

PROFESSIONAL EXPERIENCE

- Infinity Speak**, Philadelphia PA Aug 2022 - Present
Founder & Technical Lead
• Architected and developed a SaaS Web Application in the telecommunications sector. Full stack development utilizing cloud native principles deployed on GCP (GKE, Cloud Storage, Cloud SQL) - infinityspeak.com
• **Technologies:** K8s, RabbitMQ, ReactJS, NextJS • **Languages:** Go, Typescript
- Shipa**, San Jose CA April 2022 - Aug 2022
Software Engineer
• Built Kubernetes Controllers & CRDs designed to make application deployments easier for teams and permit managers to enforce deployment policies
• **Technologies:** Kubernetes, Kubebuilder • **Languages:** Go
- IBM**, San Jose CA Dec 2020 - April 2022
Staff Software Engineer
• Architected, built, and implemented security and automation infrastructure for the many SaaS offerings under the Watson Umbrella coupled with an interface to drive exec-level decisions
• **Technologies:** K8s, OpenShift, Helm, ReactJS • **Languages:** Go, TypeScript
- Associate Software Engineer** Aug 2018 – Dec 2020
• Developed scalable distributed data processing infrastructure, optimized software configurations for fortune 500 companies, and ensured SLA's were met for IBM Cloud Pak for Data
• Published a patent on querying a blockchain ledger using SQL: patents.google.com/patent/US11093495B2
• **Technologies:** K8s, OpenShift, Helm, React • **Languages:** Go, Python, Node.js, Java
- Software Engineering Co-Op** Jan 2017 – Dec 2017
• Designed a multi-threaded application to generate client focused data for Hadoop / DB2 / Oracle
• **Technologies:** Angular 4, Node.js, Git • **Languages:** Java, Bash, TypeScript, HTML

LEADERSHIP & ACTIVITIES

BOY SCOUTS OF AMERICA, Eagle Scout, Order of the Arrow

- VIRGINIA TECH**, Blacksburg VA Aug 2015 - Dec 2016
Research
• Designed Universal Windows Platform (UWP) applications in C# to investigate notifications and awareness for multi-user multi-touch displays (Microsoft Perspective Pixel): doi.org/10.1007/978-3-319-67687-6_15

SKILLS

- Technologies:**
- Kubernetes, OpenShift, Kafka, Redis, Hadoop, Postgres, Docker,
- Languages:**
- Go, TypeScript, Java, Python, SQL

SELF STUDY & INTERESTS

- Udemy:**
- gRPC Golang Master Class
 - OpenShift for the Absolute Beginner
- Interests:**
- Basketball, Biking, Web Development