

SKILLS

- **Languages:** Python, Go, Javascript, Typescript, Java, MySQL, PostgreSQL, C
- **Frameworks:** Next.js, React.js, Node.js, Express.js, Angular.js, Flask, Cypress, TailwindCSS,
- **Tools:** Git, Docker, Kubernetes, Kafka, Skupper, Prometheus, Thanos, Grafana, Instana, LogDNA, Redis, Neo4j
- **Cloud Services:** EC2, S3, Lambda, SageMaker, Firebase, Compute Engine, Cloud Run, BigQuery, Prometheus, OpenShift K8
- **Certifications:** [IBM Enterprise Design Thinking Practitioner](#) | [IBM Blockchain Essentials](#) | [IBM Developer Jumpstart](#)

WORK EXPERIENCE

IBM *Aug 2023 - Current*
Software Engineer *Research Triangle Park, NC*

[Hybrid Cloud Mesh Team](#)

- Develop and maintain application and network performance management (**APM/NPM**) microservices for IBM's Hybrid Cloud Mesh, a multicloud **SaaS** product enabling networking integration of apps and services across various cloud providers.
- Part of “**Obsevability**”, prioritizing flow log pipeline and effectively managing network traffic across cloud environments
- Work closely with **Prometheus** agent configurations for remote writing metrics to middleware microservice **metric-enricher**, adding enrichment labels to **TSDb** format before forwarding for storage in **Thanos Receive** or cloud object storage.
- Improved **code coverage** of observability microservices to reach **80%** prior to our product's general availability (GA) release
- Successfully implemented **high availability** for observability microservices in **OpenShift K8s**, leveraging **StatefulSets** to ensure fault tolerance and seamless continuity.

IBM *May 2022 - Sep 2022*
Software Engineer Intern *RTP, NC (Remote)*

[Cloud Expert Labs Team](#)

- Developed branded login pages from scratch using **Typescript**, **Next.js**, **Express.js**, **Node.js**, and **Passport.js**; seamlessly integrated with IBM Cloud services while also adhering with strict design guidelines provided by IBM Carbon Design
- Implemented secure **REST API** with **Express** and **IBM Cloud**, handling user authentication, login, password reset, email notifications, and multi-factor authentication in addition to a IBM branded user interface
- Streamlined retailer onboarding and data management tasks by **60%** through Python scripts
- Improved product reliability by integrating comprehensive **Cypress E2E** tests into the **CI/CD** pipeline

Leidos *June 2021 - Dec 2021*
Software Engineer Intern *Reston, VA*

[Annex Intelligence Division](#)

- Collaborated with the **Annex Intelligence** team on the design, development, and deployment of web and mobile applications for the **US NCTC**, contributing to the successful implementation of counter-terrorism initiatives
- Played a key role in developing features and functionalities for web portals primarily using **Vue.js**, **Node.js**, **Elastic Search** and **S3** services resulting in an improved user experience and more efficient data processing
- Demonstrated proficiency in working with a diverse set of tools including but not limited too **JIRA**, **Docker**, **GitLab**, **SonarQube**, **Git**, **Postman**, **MySQL**, **Tomcat**, **AWS**, and **Linux** (Ubuntu)

RECENT PROJECTS

YTRecap [Github](#) *March 2023*

[YTRecap.org](#) is a web-app built using Python Flask that can summarize any youtube video by parsing the video for it's closed captions and passing them to an NLP large language model

GradeMyAid [Github](#) *December 2022*
[GradeMyAid.com](#) is a financial aid tool built using Next.js and the [CollegeScorecardAPI](#) that offers the ability a to compare financial aid packages from varying universities in order to understand which FAFSA offers are the most appealing

EDUCATION

University of Pittsburgh *May 2023*
Bachelors of Computer Science *Pittsburgh, PA*

Coursework: *Algorithmic Implementation, Data Structures, Discrete Structures, Assembly Language, Intermediate Programming, Computer Organization, Software Engineering, Web-Development, Artificial Intelligence, Systems Software, Formal Methods in Computing, Operating System, Database Management Systems, Quality Assurance, Big Ideas in Computing*

Honors: Cum Laude