

EDUCATION

Drexel University	Philadelphia, PA	Graduation: March 2021
<ul style="list-style-type: none">• B.S./M.S. in Computer Science — GPA: 3.66• Graduate Coursework: Test Driven Dev & eXtreme Prog; Web Services & Mobile Arch; Data Analysis at Scale.• Undergraduate Coursework: Software Architecture; Software Engineering; Software Evolution.		

PROFESSIONAL EXPERIENCE

Cigna	Software Engineer	Apr 2020 - Present
<ul style="list-style-type: none">• Developed incremental deployment strategies to drive service mesh adoption using Gloo• Refactored Jenkins library to use K8s native pipeline (Tekton) for efficiency, speed, & scalability• Delivered authentication GRPC Service conforming to Envoy's extauthz interface to encapsulate custom auth logic• Wrote presigned URL generator Lambda emphasizing JSON Schema for contract validation• Lead intern project using TDD and automated deployment/management patterns with GitOPS/ArgoCD• <u>Leveraged knowledge</u> in Go, Kubernetes, EKS, AWS Lambda, OpenShift, Gitlab CI, Tekton CI, ArgoCD		

Lockheed Martin	Software Engineering COOP	Apr - Sept 2019
<ul style="list-style-type: none">• Transitioned computer program into Git from Clearcase including training and best practices• Incorporated automated testing using Google Test, JUnit, and Maven framework through feature toggles• Sped up build time 40% by decomposing product through discussions about architecture with project leads• Integrated build into Jenkins pipeline to automate deployment, SCA, and testing on every deliverable• <u>Leveraged knowledge</u> in Maven, Git, Jenkins, JUnit, Google Test, Java, C++		

MicroOffice	Software Developer	Feb 2017 - Jan 2019
<ul style="list-style-type: none">• Built contract licensing and management system using PostgreSQL, Python, Flask, and Jinja• Integrated external desk management system with existing operations interface using web API calls• Updated payment portal to allow customers to make purchases independent of sales team• Automated operations visual reporting service to provide useful at-a-glance business metrics• <u>Leveraged knowledge</u> in Full Stack Web development, Python, JavaScript, Git, PostgreSQL, Flask		

SOFTWARE PROJECTS

This Resume	Sept 2020 - Present
<ul style="list-style-type: none">• Automatically deploy main branch to multiple targets ssh-deploy and gh-pages-deploy• Decouple data from style enabling multi-format generation using single YAML source• Generate PDF using LaTeX wrapped in Docker and Python templating engine• <u>Utilized</u> Python, LaTeX, Docker, Gitlab CI, Github Action	

Film Rating Microservice POC	June - Aug 2020
<ul style="list-style-type: none">• Architected simple yet highly decoupled IMDB clone with independently deployable services• Created web and client service consumers with centralized authorization pattern• <u>Utilized</u> Flutter, GraphQL, Node.js, MongoDB, Docker Compose, JWT Authentication	

King Me	Jan - June 2019
<ul style="list-style-type: none">• Designed online checkers game using Flask SocketIO to allow players to create and join games• Coordinated student team of four by creating mocked interfaces to enable concurrent development• Emphasized portability by utilizing Docker to standardize runtime environment• Enforced quality through use of Gitlab CI to automate static code analysis and testing• <u>Utilized</u> Gitlab CI, Docker, Flask SocketIO, Jinja, Pytest, Pylint, JSHint	

TECHNICAL SKILLS

- **Proficient:** Java, Python, Go, Unix, Git, SQL, JavaScript, Maven, Tekton, Flask, HTML/CSS
- **Familiar:** C++, C, Docker, LXC, SaltStack, Jenkins, Node.js