

EDUCATION

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| 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

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| Google | Software Engineer | December 2021 - Present |
| <ul style="list-style-type: none">• Automated customer onboarding to instrumentation tooling using CLI to meet 48 hour SLO• <u>Leveraged knowledge</u> in Go, Java | | |

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| Cigna | Software Engineer | Apr 2020 - November 2021 |
| <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 team of 8 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 | | |

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| 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++ | | |

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| 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

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| 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 | |

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| 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 | |

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| 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