

## EDUCATION

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

## PROFESSIONAL EXPERIENCE

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

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| <b>Cigna</b>  | <b>Software Engineer</b> | <b>Apr 2020 - Nov 2021</b> |
| <ul style="list-style-type: none"><li>• Developed incremental deployment strategies to drive service mesh adoption using Gloo</li><li>• Refactored Jenkins library to use K8s native pipeline (Tekton) for efficiency, speed, &amp; scalability</li><li>• Delivered authentication GRPC Service conforming to Envoy's extauthz interface to encapsulate custom auth logic</li><li>• Wrote presigned URL generator Lambda emphasizing JSON Schema for contract validation</li><li>• Lead intern team of 8 using TDD and automated deployment/management patterns with GitOPS/ArgoCD</li><li>• <u>Leveraged knowledge</u> in Go, Kubernetes, EKS, AWS Lambda, OpenShift, Gitlab CI, Tekton CI, ArgoCD</li></ul> |                          |                            |

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

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

## SOFTWARE PROJECTS

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

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

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

## TECHNICAL SKILLS

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