

SAFFAT HASAN

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EDUCATION

Drexel University <i>B.S./M.S. in Computer Science — GPA: 3.66</i>	Philadelphia, PA <i>Graduation: March 2021</i>
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EXPERIENCE

Google - Software Engineer <i>New York, NY</i>	Dec 2021 - Present
Cigna - Software Engineer <i>Philadelphia, PA</i>	Apr 2020 - Nov 2021
<ul style="list-style-type: none">Automated customer onboarding to instrumentation tooling using CLI to meet 48 hour SLO<u>Leveraged</u> Go, Java	
Lockheed Martin - Software Engineering Coop <i>Moorsetown, NJ</i>	Apr - Sept 2019
<ul style="list-style-type: none">Developed incremental deployment strategies to drive service mesh adoption using GlooRefactored Jenkins library to use K8s native pipeline (Tekton) for efficiency, speed, & scalabilityDelivered authentication GRPC Service conforming to Envoy's extauthz interface to encapsulate custom auth logicWrote presigned URL generator Lambda emphasizing JSON Schema for contract validationLead intern team of 8 using TDD and automated deployment/management patterns with GitOPS/ArgoCD<u>Leveraged</u> Go, Kubernetes, EKS, AWS Lambda, OpenShift, Gitlab CI, Tekton CI, ArgoCD	
MicroOffice - Software Developer <i>New York, NY</i>	Feb 2017 - Jan 2019
<ul style="list-style-type: none">Transitioned computer program into Git from Clearcase including training and best practicesIncorporated automated testing using Google Test, JUnit, and Maven framework through feature togglesSped up build time 40% by decomposing product through discussions about architecture with project leadsIntegrated build into Jenkins pipeline to automate deployment, SCA, and testing on every deliverable<u>Leveraged</u> Maven, Git, Jenkins, JUnit, Google Test, Java, C++	

PROJECTS

This Resume	Sept 2020 - Present
<ul style="list-style-type: none">Automatically deploy main branch to multiple targets ssh-deploy and gh-pages-deployDecouple data from style enabling multi-format generation using single YAML sourceGenerate 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 servicesCreated 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 gamesCoordinated student team of four by creating mocked interfaces to enable concurrent developmentEmphasized portability by utilizing Docker to standardize runtime environmentEnforced 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