

# SAFFAT HASAN

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## EDUCATION

### Drexel University

B.S./M.S. in Computer Science — GPA: 3.66

Philadelphia, PA

Graduation: March 2021

### Queensborough C.C.

A.S. Computer Science emphasis — GPA: 3.97

Queens, NY

Graduation: May 2017

## EXPERIENCE

### Cigna - Software Engineer

Apr 2020 - Present

Philadelphia, PA

- Developed incremental deployment strategies to drive service mesh adoption using Gloo
- Refactored Jenkins library to use K8s native pipeline (Tekton) for speed & scalability
- Wrote presigned URL generator Lambda emphasizing JSON Schema for contract validation
- Lead intern project using TDD and automated deployment/management patterns with GitOPS/ArgoCD
- Leveraged Go, Kubernetes, EKS, AWS Lambda, OpenShift, Gitlab CI, Tekton CI, ArgoCD

### Lockheed Martin - Software Engineer

Apr - Sept 2019

Moorsetown, NJ

- 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
- Reduced build time by decomposing product through discussions about architecture with project leads
- Integrated build into Jenkins pipeline to automate deployment, SCA, and testing on every deliverable
- Leveraged Maven, Git, Jenkins, JUnit, Google Test, Java, C++

### MicroOffice - Software Developer

Feb 2017 - Jan 2019

New York, NY

- 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
- Leveraged Full Stack Web development, Python, JavaScript, Git, PostgreSQL, Flask

## PROJECTS

### This Resume

Sept 2020 - Present

- Automatically deploy master using ssh and rsync
- Decouple data from style enabling multi-format generation using single YAML source
- Generate PDF using LaTeX wrapped in Docker and Python templating engine
- Utilized Python, LaTeX, Docker, Gitlab CI

### Film Rating Microservice POC

June - Aug 2020

- Architected simple yet highly decoupled IMDB clone
- Designed each service to be independently deployable
- Created web and client service consumers
- Utilized Flutter, GraphQL, Node.js, MongoDB, Docker Compose, JWT Authentication

### King Me

Jan - June 2019

- 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
- Utilized 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