SAFFAT HASAN

(xxx) xxx-xxxx | saffathasan@gmail.com | linkedin.com/in/saffat-hasan | github.com/SaffatHasan | gitlab.com/SaffatHasan

EDUCATION

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

EXPERIENCE

Google - Software Engineer   December 2021 - Present
New York, NY
- Automated customer onboarding to instrumentation tooling using CLI to meet 48 hour SLO
- Leveraged Go, Java

Cigna - Software Engineer   Apr 2020 - November 2021
Philadelphia, PA
- 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
- Leveraged Go, Kubernetes, EKS, AWS Lambda, OpenShift, Gitlab CI, Tekton CI, ArgoCD

Lockheed Martin - Software Engineering COOP   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
- 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
- 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 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
- Utilized Python, LaTeX, Docker, Gitlab CI, Github Action

Film Rating Microservice POC   June - Aug 2020
- Architected simple yet highly decoupled IMDB clone with independently deployable services
- Created web and client service consumers with centralized authorization pattern
- 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