Sayf Ahmed

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TECHNICAL SKILLS

Languages: Python, JavaScript, C++, C, Java, SQL, Go, Shell, HTML, CSS
Frameworks: Django, Flask, pandas, scikit-learn, React Native, Bootstrap, Jekyll, Wagtail
Applications/Services: RESTful API, PostgreSQL, Docker, Git, Postman, AWS, Ansible, Apache Airflow, Webpack, VSCode

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WORK EXPERIENCE

Hogarth Worldwide   **New York, NY**
Front-End Developer   _September 2021 – December 2022_
- Performed as a web developer on Dow Jones products including The Wall Street Journal, MarketWatch, and Barron's
- Collaborated on a team of copywriters and designers on nearly 300 time-sensitive campaigns with multiple assets each
- Co-managed wsjpro.com through WordPress by building PHP modules and editing live pages
- Engineered customer-facing shop pages for news subscriptions and bundles sales with JavaScript and Webpack
- Innovated a platform for WSJ Journal House on journalhouse.com using Splash's event content management system (CMS)
- Developed eye-catching emails for commerce, customer engagement, commercial partnerships, and WSJ events

Syracuse University Division of Marketing and Communications   **Syracuse, NY**
Full-Stack Developer Intern   _June 2020 – May 2021_
- Implemented and managed pythonic applications and services for Syracuse University's 15,000 WordPress sites
- Contributed closely on a team of developers on full-stack agile development, systems administration, and data analysis
- Pulled Centro's GTFS bus data and serialized 300 routes and 4500 stops through pandas using analytical skills
- Delivered serialized bus data using REST API built from Django REST framework for streamlined consumption for websites
- Engineered a multi-threaded WordPress site management tool through full life cycle using Django and Ansible Tower API
- Integrated website security scanners and crawlers such as Lighthouse using Bash in Docker containers
- Designed a Go script to handle verifying and updating X.509 certificates on Fastly hosted websites
- Partnered on a directory API for entire university staff of approximately 5000 people using Django REST framework
- Upgraded a content management service using Wagtail on Django to migrate WordPress sites

Syracuse University School of Information Studies   **Syracuse, NY**
Junior Django Developer   _May 2019 – March 2020_
- Designed and improved complex web apps for the School of Information Studies of Syracuse University
- Utilized test driven development, accessibility, and Kanban development with PostgreSQL relational databases and CI/CD
- Developed an application for staff of InclusiveU to store student profiles and generate reports using Django
- Completed a webapp in Django for university events with approval system and JavaScript multi-calendar display
- Programmed a Django form builder with JavaScript to digitize and facilitate transfer application process for students

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NOTABLE PROJECT

Girls Who Code Girls   **New York, NY**
Data Analysis   _March 2023_
- Evaluated results of Girls Who Code Girls: a data storytelling and award-winning avatar creation experience
- Accessed data from user creations and Google Analytics such as outfit design and time spent on site
- Preprocessed data and analyzed trends using pandas and scikit-learn to find what users want in video game characters
- Presented detailed report with conclusions drawn from statistics and visual diagrams

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EDUCATION

Syracuse University College of Engineering and Computer Science   **Syracuse, NY**
B.S. in Computer Science, Minor in Cognitive Science   _May 2021_
- GPA: 3.6/4.0

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