Tahmidul Islam

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Education

Lakehead University   Thunder Bay, Ontario
HBSc Computer Science   January 2019 - April 2024

Work Experience

Raphael Stone USA   Online
Freelance Automation Developer   Jun 2018 - July 2018

- Developed Google Apps Script automation for parsing and importing email data into Google Sheets.
- Implemented Zapier automation with Twilio integration to streamline workflows.

Skills

Programming Languages:	Python, Java, C++, JavaScript, Bash, Powershell
Tools & Frameworks:	Flask, Git, Docker, Zapier, GameCI, CI/CD with Github Actions
Cloud Platforms:	Google Cloud Platform (GCP), AWS (EC2, S3)
Server Management:	Ubuntu Server, Hyper-V, Docker Swarm, Container Deployment & Management with Portainer, Homelab (7 years)
Operating Systems:	Windows 7/8/10/11, MacOS, Debian-based distros, Arch-based distros

- Demonstrated problem-solving skills and patience, evident through managing complex automation workflows and homelab environments.
- High adaptability and eagerness to learn new technologies; consistently self-taught across tools like Docker, GCP, and AWS.
- Customer-oriented mindset with freelance experience delivering reliable automation solutions to clients.

Projects

Full-Stack AI-Powered URL Shortener *Python, Flask, AWS EC2, Django, NLP, GitHub Actions*
Developed an AI-powered URL shortening service using Flask and Django. Integrated a pre-trained RoBERTa model to generate relevant slugs, enhancing user experience. Deployed the application on AWS EC2, automating updates and scaling using GitHub Actions.

Cloud-Based Game Development Workflow *Unity, C#, GameCI, GitHub Actions, GitHub Pages*
Built and deployed two games using Unity and HaxeFlixel, implementing game mechanics in C# and Haxe. Leveraged GameCI for automated builds and deployments. Used GitHub Actions for CI/CD and deployed the final game to GitHub Pages for browser-based gameplay.

Automated Calendar Data Importer *Python, Google App Script, Web Scraping, CI/CD*
Created a Python-based script to automate calendar updates for free concerts in Toronto. Utilized web scraping to parse schedule data and generate ICS files. Implemented Google Apps Script integration for automatic synchronization with Google Calendar.

Awards

Dean's List   Lakehead University
Recognized for excellent academic performance in the 2020-21 academic year.   2021

Level 3 of Lakehead Makes Leaders   Lakehead University
Won the "Think Like a Boss" module, competing in a simulated investment portfolio   November 2021
challenge. Developed teamwork, conflict resolution, and investor presentation skills.

References

- **Sadab Seraj** – Project Manager, Raphael Porcelain, USA
  Email: justsadab@gmail.com
  Worked closely on implementing automation pipelines.