Saif Ul Islam

linkedin/in/suislam | github.com/Rubix982
saifulislam84210@gmail.com | +92 311 280 9331

EDUCATION

FAST NUCES, KARACHI
BS(CS), 3.62 CGPA
July 2022

ACHIEVEMENTS

- ICPC Topi Regional, '19 (7th/40+ teams)
- GitHub - Fall '21 (Top 10 Contributors in Pakistan, 180+ PRs opened, 55+ PRs reviewed, 250+ issues opened)
- Facebook Messaging Hackathon, '20 (DevPost) (25th/209 submissions)
- Dean's List (Fall '18, Spring '19, Fall '20, Spring '21, Fall '21)

CERTIFICATIONS

- SUSE Scholarship Challenge Finalist 2021 @Udacity, @SUSE, (2021)
- AWS Fundamentals @ Udacity, (2020)
- Google Cloud Fundamentals: Core Infrastructure, (2020)
- Google Cloud, Big Data & Machine Learning Fundamentals, (2020)
- Continuous Delivery & DevOps - University Of Virginia, Darden School Of Business, (2020)
- Deep Learning Specialization @DeepLearning.AI, (2020)
- DeepLearning.AI Tensorflow Developer, (2020)
- Machine Learning @ Stanford, (2020)

SKILLS

LANGUAGES
JavaScript/TypeScript • C# • Python • C/C++

LIBRARIES/FRAMEWORKS
ReactJS • NextJS • NodeJS • NestJS • ExpressJS • DotNet Core (.NET 5.0) • Flask • Django • HTML/CSS/SaSS • Material UI • Redux • CMake • CUDA

PRODUCTIVITY
Git • Linux (Arch/Debian) • Bash (Shell Scripting) • Markdown • LaTeX • Figma • LucidChart (UML)

DATABASES
MySQL • MongoDB • Neo4j

DEVOPS / CLOUD
Docker • Docker Compose • Azure • GCP
(20 quests completion)

EXPERIENCE

MAPILLARY, META | Software Engineer
June '21 - Aug '21 | Remote
- Engineered & developed an **SDK** for Mapillary's latest *API* release, providing access to *50M+ photos & GIS data* with **Python**, contributing *4K+ LoC*
- Automated **GitHub Workflows** for *generating documentation*, *deploying documentation* to **GitHub Pages**, **PyPI** releases, *testing mechanism* with **PyTest**
- Gained 12 stars, 5 forks, 8 watchers, and contributed content for a "Meta For Developers" blog post, "**Mapillary: A Contributor's Story with Saif Ul Islam**"

MAJOR LEAGUE HACKING | Open Source Software, Fellowship
June '21 - Aug '21 | Remote
- (A) Attended stand-ups, (B) *"greens/yellows/reds"* regarding project progression, (C) tech & career related discussions, (D) **open source sessions**, (E) *"show and tells"*, with mine about **DevOps**, (F) attended a **CTF**, (G) wrote about the experience in a **blog post** on dev.to, (H) engaged in "**Production Engineering**" sessions by **Meta** over **infrastructure**, **monitoring**, PE, SWE
- Collaborated on a project using @JinaAI with MLH podmates, contributing a *DevOps* (**Docker** + **HuggingFace**) integration by *automating & caching* back-end/front-end using best practices

PROJECTS

TERRABUZZ | Social Media Application
Sept 2020 – Dec 2020 | Database Systems (Project)
- Designed & developed a PoC *Full Stack Web App* for a Social Media with functionalities of **hashtags**, **followers**, **posts**, **notifications**, **profiles**, **feed**, **settings**, **comments**, **likes**
- Worked on *requirement analysis & documentation* for (A) Proposal, (B) SRS/SDS (**LaTeX**), (C) Data Modelling (**LucidChart**), (D) UI Mockups (**Figma**)
- Built the application with **ReactJS**, **ExpressJS**, **MySQL**, **MongoDB**, **Neo4j**, **Docker**, **Nginx**, and tested deployement with **Azure** & **Vercel**

RELIABLEE | Reliable Data Transmission Over TCP
May 2021 | Computer Networking
- Implemented a TCP protocol based simulation to show workings of the **Reliable Data Transmission 3.0** standard
- Responsible for **architecture** & **requirement extraction** from theory, *implementation presentation*, **logging** transmission results

REFLEX | Attendance System
Spring 2021 | Software Engineering (Project)
- Developed an attendance system using **ReactJS**, **MUI**, **ExpressJS**, **MySQL**, **NGINX**, **Docker**, **Docker Compose**
- Wrote the documentation, including **Test Cases**, **Testing Policy**, **UI Mockup Requirements**, **GitBook Project Guide**
- Managed project on **Notion**, with mock-ups designed on **Figma**

VOLUNTEERING & COMMUNITIES

- IEEE Membership (Jan '22 - Present)
- DevFest '21 Student Campus Ambassador (Nov '21 - Dec '21)
- Software Development Pakistan (May '21 - Present)
- .NET Foundation - Member (Feb '21 - Present)