

Saif UI Islam

[linkedin/in/suislam](https://www.linkedin.com/in/suislam) | github.com/Rubix982
saifulislam84210@gmail.com | +923112809331

EDUCATION

FAST NUCES

BACHELOR OF SCIENCE IN
COMPUTER SCIENCE, 3.62 CGPA
July 2022 | Karachi, Pakistan
ex-ACM, ex-DevDay, 2x GDSC, IEEE

ACHIEVEMENTS

- Dean's List (Fall '18, Spring '19, Fall '20, Spring '21, Fall '21)
- 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)
- ICPC Topi Regional, '19 (7th/40+ teams)

CERTIFICATIONS

- SUSE Scholarship Challenge Finalist 2021 @Udacity, @SUSE, [link](#), (2021)
- Google Cloud Fundamentals: Core Infrastructure, [link](#), (2020)
- Google Cloud, Big Data & Machine Learning Fundamentals, [link](#), (2020)
- Continuous Delivery & DevOps - University Of Virginia, Darden School Of Business, [link](#), (2020)
- Deep Learning Specialization @DeepLearning.AI, [link](#), (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 UI 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 deployment 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)