Md Tariqul Islam

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Software engineer with more than 3 years of experience in backend development. Specialized in Java, Spring Boot, MySQL, and Python. Also proficient with algorithms and data structure. Started a career working at a startup, a self-learner, passionate about cutting-edge technologies Designed, developed and deployed multiple scalable backend systems. I work with responsibility and take ownership, and I have experience as leading a feature design and implementation process. I am also a former competitive programmer with few achievements in global contests like ICPC with many notable online achievements in platforms like codeforces and CodeChef.

Experience

- *Software Engineer | Smarter AI DMCC, Dubai, UAE*   *April, 2022 - Present*
    - Design, implement and maintain spring web service for ai camera platform which include managing camera devices, their firmwares, ai models.
    - Managing automated package update for edge cameras, synchronizing configuration data from web application to remote cameras.
    - Identity and Access Management with roles and rights to control user access level.
    - Geofence management for automated change of camera behavior in specific geographic area.
    - System load testing for spring web application with REST API interface.
- *Software Engineer | AnyConnect Bangladesh Limited, Dhaka, Bangladesh*   *Nov, 2019 - April, 2022*
    - Team management for backend web application development and native client library development.
    - Microservice management with gRPC inter-service communication with a spring web application as gateway with REST API interface.
    - Cross platform native library development for different types of hardware as core component of ai camera app.
    - Location based searching of mobile camera devices.
    - Management of media, ai event and other log data generated from ai cameras.
    - Automated system api test for web backend.

Competitive Programming Achievements

- *Onsite Programming Contests:*
    - **Champion** (Code Contest 2019 - Samsung R&D Institute Bangladesh)
    - **Champion** (IEEE Programming Contest HACKLAB 1.0 - 2018) Team - JU_ShadowWalker
- *Online Programming Contests:*
    - **14th** in Codeforces round 471 (handle: **tariqiitju, top 0.45%**)
    - **21st** in Codechef February Challenge 2019 Division 1 (handle: **tariqiitju, top 2%**)
    - **78th** in Google hash code Online Qualification Round 2019 (team: **JU_CodeFreak, top 1%**)
- *Online Contest Rating:*
    - **Codeforces** Rating - **1915** (max)
    - **CodeChef** Rating - **2409** (max)
    - **Topcoder** Rating - **1351** (max)
    - **HackerRank** Rating - **1943** (max)
- Qualified for ICPC **The 2019 ICPC Asia -West Continent Final** (Team : JU_Quanta)
- Solved more than **1500** programming problems in various online judges including **UVA**, **LeetCode**, **Codeforces**, **CodeChef** etc.

Skills

- *Programming Languages:* Proficient in **Java, C/C++** and **Python.**
- *Other Technologies:* **Springboot, REST API, SQL, ElasticSearch, gRPC, Docker, Git, Linux.**
- **Problem solving with Data Structures and Algorithms**

Education

- *Bachelor of Science (BSc.) in Information Technology*
  Jahangirnagar University, Dhaka-1342 | **March 2015 - December 2019** | CGPA 3.36

Areas of Interest

- **Web Services, Cyber Security, Internet of Things, Operating Systems, Artificial Intelligence, Image Processing** etc.