NAZMUS SAKIB PATWARY

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Skills

- Python| Vuejs | React |JavaScript | JQuery | Django | Django-rest-framework
- PostgreSQL | MySQL | MongoDB | Redis | Firebase | SQLite
- Docker | Serverless | Grafana | Git | Github Action | Celery | Linux | CI/CD | Unit Testing | AWS
- Microservices | Distributed Systems | Backend | Cloud Computing | OOP | SOLID | Leadership

Experience

Software Engineer **[Brain Station 23](#)** *Dhaka, Bangladesh* **01/2021 - Present**

- Development of enterprise-level microservice applications of fleet management using the latest technology **Django, Django-rest-framework, Vuejs, PostgreSQL, Redis, Firebase** and increased performance optimization **10%** by designing optimized database queries.
- Designed and implemented robust APIs and background workers using **Python, AWS Lambda, and AWS cloud** technologies. These components efficiently manage both first- and third-party proprietary licenses, handling a significant volume of daily license requests with ease.
- Led the development of various product segments, involving tasks such as identifying system prerequisites and partner dependencies, allocated workloads, implemented software, conducted testing, and configured monitoring systems.
- Improved system metrics with integrated telemetry; Identify, prioritize and execute tasks in the software development life cycle.
- Incorporated CI/CD pipeline, pull requests, code reviews, and robust unit/integration testing into the development workflow.

Education

Bachelor of Science **East West University** *Dhaka, Bangladesh* **05/2015 - 12/2020**

- Major in Computer science and Engineering

Projects

- **[TEQ | FERDIA](#) (Django, Django-rest-framework, Go, PostgreSQL, MongoDB, Redis, Firebase, Celery, Amazon Simple Queue Service, AWS lambda, Vuejs):** Microservice based solution, permission service by GO and others are in Django and Django rest framework. Fleet management which operates in 3 different countries. Customers can execute trips and can see live on the map. Trips can be shared from one company to another company. Drivers can execute their assigned trips and also can see their work hour which calculated their salary as per salary policy.
- **[SPEECHBUDS](#) (Python, AWS Lambda, Amazon ECS, Docker):** Audio trimmer is a module of the project where the audio files are trimmed and cancel the noise, through the event trigger in S3 bucket. Dockerized python lambda function and uploaded into ECS. S3 has an event that triggers lambda when a file uploads into S3 bucket.

Publications

- P. K. Saha, N. S. Patwary and I. Ahmed, "**A Widespread Study of Diabetes Prediction Using Several Machine Learning Techniques**," 2019 22nd International Conference on Computer and Information Technology (ICCIT), Dhaka, Bangladesh, 2019, pp. 1-5, doi: 10.1109/ICCIT48885.2019.9038559.
- M. Uddin, N. S. Patwary, M. Hasan, T. Rahman, and M. T. Islam. **End-to-end neural network for paraphrased question answering architecture with single supporting line in bangla language.** 3rd International Conference on Signal Processing and Information Communications, January 18-20,202
- M. S. H. Bhuiyan, N. S. Patwary, P. K. Saha and M. T. Hossain, "**Sensor-Based Human Activity Recognition: A Comparative Study of Machine Learning Techniques**," *2020 2nd International Conference on Advanced Information and Communication Technology (ICAICT)*, Dhaka, Bangladesh, 2020, pp. 286-290, doi: 10.1109/ICAICT51780.2020.9333470