

# Osman Ali Chowdhury

## Software Engineer

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### Skills

**Languages:** Golang, C++, Python, Javascript, SQL.

**Technology:** Django, Flask, NodeJS, React, Redis, MySQL, MongoDB, RabbitMQ, Celery, gRPC, Thrift, AWS, Git, Github Action, Docker.

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### Experience

#### NewsCred/ Software Engineer

October 2019 - Present

- Prepare a CI/CD pipeline for an Angular app between Gitlab and Firebase.
- Set test automation using GitHub Action & Pytest.
- Re-write and Dockerize a Django admin dashboard with React & Flask.
- Handled all sorts of bugs within customer SLA and increased the test coverage of the existing codebase.
- Launched a file-server backed by Flask & AWS S3 service with the ability to render/upload files based on geolocation and impose access restriction with smart URL.
- Implemented content synchronizer between microservices based on changes in one end using Celery worker.
- Keep up and running the content ingestion pipeline with python and other AWS services where content comes from various XML/RSS/JSON source feed.

#### KickBack Apps/ Software Engineer

January 2019 - September 2019

- Built & provisioned the backend of [PhoneLine](#) and its admin panel with Golang, Redis & RabbitMQ.
- Released an open-source Golang task processor *Cogman* powered by RabbitMQ, Redis & MongoDB.
- Launched official web site with Javascript, CSS & HTML

#### East West University / Competitive Programming Trainer

May 2018 - February 2019

- Worked with the student to build a strong basic CS background and improve their problem-solving skills.

#### Problem Setter and Judge

- External problem creator at HackerRank. Prepared above 40 algorithmic challenges for the coding interview.
- Problem setter and Judge in BACS High School Programming Contest 2018 & NSU Inter-University Girl's Programming Competition 2018.

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## Education

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**North South University / Bsc in Computer Science & Engineering**  
Summer 2013 - Spring 2019. Earned Credit: 128 out of 136.

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## Achievement

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### Sports Programmer

January 2013 – August 2018

1. **Onsite Contest:** Represented NSU in around 20+ National level programming contests. Among them, 9th, 12th, 14th, and 16th was the best position in the rank list.
2. **Online Contest:** Around two thousand problems have been solved in different types of online judges like [UVA](#), [LightOj](#), [Spoj](#), [Codeforces](#), [Codechef](#), [HackerRank](#), and [TopCoder](#).

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## Project

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**Cogman:** An asynchronous task processor in Golang.

- **Tools:** Golang, RabbitMQ, Redis, MongoDB
- **Github:** <https://github.com/Kimbbakar/Cogman>

**BottleCap:** Language Parser and Interpreter.

- **Toos:** Flex-Bison, C
- **Github:** <https://github.com/Kimbbakar/BottleCap>

**Contest-Helper:** Problem Solving Practice assistant

- **Tools:** Python, Django, JQuery, Bootstrap, CSS
- **Github:** <https://github.com/Kimbbakar/Contest-Helper>