

# MOZAMMIL MINHAJ

Senior Software Development Engineer



## SUMMARY

Highly motivated and results-driven professional with over 5 years of experience in the tech industry. I am a problem solver and proactive team player who values collaboration. Passionate about leveraging my expertise to drive innovation, learn new technologies especially in the field of AI/ML and contribute to the growth of a dynamic organization.

## PROFILE

-  +91 - 8088612632
-  Bengaluru, Karnataka - India
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-  [www.linkedin.com/in/mozammil-minhaj](https://www.linkedin.com/in/mozammil-minhaj)
-  [mozammilminhaj.github.io](https://mozammilminhaj.github.io)

## EDUCATION

### CMR Institute of Technology

Bengaluru - IND

Bachelor's Degree in Computer Science  
2014 - 2018

### St Paul Sr Secondary School,

Bihar - IND

Higher Secondary Schooling  
2012 - 2014

## SKILLS & TOOLS

### Advanced

- Bunch of AWS Services
- Python
- CI/CD

### Intermediate

- HTML & CSS
- Containers
- Datadog
- Git & GitHub

## PROFESSIONAL EXPERIENCE

### Senior Software Development Engineer

Thomson Reuters - Bengaluru | Apr 2022 - Present

- Designed and implemented an end-to-end Control Plane / Cloud Automation for Resource Management (CARM) service in AWS which provides incident driven and on-demand failover mechanism capabilities for cloud-based applications to be managed across Availability Zones/ Regions within the strategic cloud providers.
- Helped multiple BUs to get onboarded to this CARM service i.e., setting up IAM, cross account access, central management account with logging and monitoring.
- Architected and implemented end-to-end Golden AMI framework and pipelines to manage entire life cycle of Golden AMIs which is a custom AMI configured as per latest company standards on top of upstream AMI.
- Integrated Vulnerabilities assessment tool and integration test framework for compliance as code in Golden AMI Tech stack.
- Implemented mutex acquire-release lock with LIFO for parallel running processes (Code build jobs) to access a shared resource sequentially using a combination of Step Fn, Lambdas, SSM etc.
- Strategized and Implemented policies and automation to handle end-to-end life cycle of Golden AMIs which brought down cost and resulted in huge annual savings.
- Developed business critical web application "Executor" to facilitate the execution of software deployments against servers on demand or scheduled.
- Implemented rate limiting of API endpoints using leaky bucket algorithm with Redis cache.
- Implemented Agent Management schema (DSL Model) to facilitate common language of understanding between provider and consumer of company-wide authorized agents/softwares across cloud and on-prem estate.
- Implemented end-to-end force patching solution for on-prem Linux estate with logging and real time reporting.
- Developed automated workflows in ServiceNow to offer self-service.
- Identified gaps and issues and worked with cloud vendors (AWS) on multiple feature request / bug fixes.
- Worked with the security teams to provide the needed help for running various POCs to strengthen company infrastructures.
- Worked with BUs and stakeholders to debug and resolve issues in compute space.
- Conducted KT sessions and been a mentor for many team members.
- Helped team in migrating apps from data center.
- Responsible for maturing various services SLIs to match SLOs and configured metrics and dashboards to track the same in Datadog.

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## SKILLS & TOOLS

- Packer
- Database
- Chef Test Framework

### Familiar

- Sagemaker
- PowerBI
- ServiceNow
- Application Security

## CERTIFICATIONS

- AWS Certified Developer - Associate
- AWS Certified Cloud Practitioner

## TRAINING

- AWS Certified Machine Learning - Specialty
- TR AI/ML Tutorials by AI Platform Teams

## LANGUAGE

### English

Professional working proficiency

### Hindi

Native or bilingual proficiency

### Urdu

Native or bilingual proficiency

## REFERENCE

- Mahesh Budi
- Matt Schlosser
- Justin Dettmann
- Sunil Vikram Sridaran

## PROFESSIONAL EXPERIENCE

### Other Roles in Thomson Reuters

- SRE - Software Engineer II | Jul 2021 - Apr 2022
- SRE - Software Engineer I | Jul 2019 - Jun 2021
- Trainee Engineer - DCIS | Jul 2018 - Jun 2019

### Intern - Software Developer

Netgear - Bengaluru | Feb 2018 - Apr 2018

- I worked on integrating SWRVE (mobile marketing automation platform) to IOS app (NETGEAR Genie)
- Performed A/B and resource testing to ensure every interaction is optimal.
- Configured this data-driven engagement platform to deliver customer experiences with marketer-friendly dashboard.

## AM / ML WORK

- While I don't have any prod grade work experience in this field yet. I'm eagerly pursuing to have one.
- I have gone through AWS training, and internal training at TR which gave me good exposure in this field on various subjects including tools & algorithm, MLOps etc

## SIDE PROJECT

### Dream Land Academy

School Website : <https://dla.edu.in/>

- A school web application designed with key components as html/css(bootstrap) / javascript (jquery/angularjs framework) / php (laravel framework)

## GOALS AND HOBBIES

Technology enthusiast looking forward to learning and growing in both personal and professional life.

Here is how I spend my off-working hours.

- Skill-Up to achieve my goals
- Learn about Islam through literatures and lectures
- Cycle to stay physically fit
- Cooking and baking for delicacy