

MOZAMMIL MINHAJ

Lead Software Engineer, AI Platform



SUMMARY

Results-driven Lead Software Engineer with 7+ years of cloud and platform experience. Translates evolving goals into clear roadmaps and shipped platform capabilities, focusing on application architecture, improving reliability, performance, and cost while elevating developer and user experience, mentoring teams and partnering with stakeholders.

PROFILE

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- Bengaluru, Karnataka - India
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- www.linkedin.com/in/mozammil-minhaj
- 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

AI & LLMs Systems

- Prompt engineering
- AI Evaluations
- Agent/ agentic workflows
- Multi-agent orchestration
- MCPs and Tool integration

Programming

- Python
- HTML & CSS

PROFESSIONAL EXPERIENCE

Lead Software Engineer, AI Platform

Thomson Reuters - Bengaluru | May 2024 - Present

- Currently leading agentic effort in the platform with the focus on multi-agent pattern, MCP standardization, and related capabilities.
- Led Prompt Builder and AI Evaluations services, delivering AI Evaluations under tight deadlines and rapidly evolving requirements.
- Implemented AI Evaluation framework and workflow like LLM-as-a-judge, Human In the Loop, Live Evaluation capabilities on the platform.
- Partnered with various stakeholders like Foundational Research/CoCounsel to gather requirements and drive adoption and quality for our services.
- Scaled Prompt Builder with task orchestration and workflows, role-based access (RBAC), performance tuning.
- Managed 10+ engineers across Prompt Builder, AI Evaluations; converted ambiguous business needs into technical roadmaps and ADO stories.
- Evangelized platform capabilities via workshops and demos (Prompt Engineering Academy, TR Labs, Tech Unconference, monthly demos, global webinars), expanding awareness and feedback loops.
- Proven track record of prototyping and launching services and new capabilities from the ground up.
- Recognized by leadership for ownership, reliability, and impact.

Senior Software Development Engineer

Thomson Reuters - Bengaluru | Apr 2022 - Apr 2024

- 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.
- Integrated Vulnerabilities assessment tool and integration test framework for compliance as code in Golden AMI Tech stack.

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SKILLS & TOOLS

Core Engineering

- Platform engineering
- Backend systems
- API design (REST)
- Event-driven architecture
- Application Security

Cloud & Infrastructure

- Bunch of AWS services
- Serverless compute
- Identity and access
- Storage and caching
- Containerization
- Infrastructure as code

Observability

- Metrics, logs, traces
- Dashboards and alerts
- SLIs/SLOs

Tools

- Cline, ClaudeCode, Github Copilot
- CI/CD platforms
- Git & GitHub
- Datadog
- Packer
- Database
- Chef Test Framework

Product & Delivery

- Requirements to user outcomes
- Demos/workshops

Leadership & People

- Team leadership
- Mentoring/coaching
- Hiring/interviewing
- Cross-functional collaboration

Methodologies & Traits

- Ownership and accountability
- Prioritization/structured execution
- Growth mindset
- Proactive problem solving
- 0 -> 1 builder

PROFESSIONAL EXPERIENCE

- 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.
- 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/software 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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CERTIFICATIONS

- AWS Certified Developer - Associate
- AWS Certified Cloud Practitioner

TRAINING

- AWS Certified Machine Learning - Specialty

LANGUAGE

English

Professional working proficiency

Hindi

Native or bilingual proficiency

Urdu

Native or bilingual proficiency

REFERENCE

- Laura Skylaki, TR
- Ramdev Wudali, TR
- Sunil Vikram Sridaran, TR
- Matthew Schlosser, TR
- Mahesh K Budi, TR

PROFESSIONAL EXPERIENCE

Other Roles @ 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.

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 leisure hours.

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