

Mohammed Abul Fazal Fazlullah Sharief

Software Development Engineer

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Professional Experience

Software Engineer, DAZN

Jun 2024 – present | Hyderabad, India

- **Built** Simple Queue Service to process high throughput requests.
- **Integrated** new internal service communication with **HMAC** configuration to **protect** data integrity.
- **Improved** integration testing.

Junior Software Engineer, Vigocare

Dec 2022 – Jun 2024 | Hyderabad, India

- **Reduced** a MongoDB collection query time from **45sec to 3sec** just using projection option, **saved 1000's of dollars** in caching solution.
- **Developed, automated** publishing, installation and deletion of a private npm package which **resulted in 10x reduction** in code repetition and bugs.
- **Integrated** third party video calling service and **developed** all the APIs from scratch.
- **Migrated** mongoose library for services from **v5 to v8**, that is **3 major upgrades**.
- **Improved** the performance of an API by **40x**, **reducing** response size from **>20MB to <500KB**, that was **bottlenecked by gRPC**.
- **Contributed to iOS app** occasionally and **integrated Core Data** and **multiple new APIs**.

Read [my monthly review on my website](#) [🔗](#) for detailed and updated professional experience.

Skills

- **Programming Languages:** JavaScript, TypeScript, Python, Swift
- **Database:** MongoDB, Redis, PostgreSQL, SQLite, DynamoDB
- **Frameworks:** NodeJS, Django, Flask, SwiftUI
- **Messaging Systems:** Kafka, SQS
- **Tools:** Git, Docker, Terraform, Kubernetes
- **Cloud Platforms:** Amazon Web Services

Projects

SourceCrowd - Discover Real Web

[GitHub Repo](#) [🔗](#) | [Video Demo](#) [🔗](#)

Designed and **built** a web application using Django, where people post links to the webpages that they find helpful, and others can vote based on the quality. They can also add a title and description for that link, based on which others can search for that webpage. It's a crossover of Google Search and Reddit.

Command Line Generative AI

[GitHub Repo](#) [🔗](#)

A command line **generative AI bot** that can be used directly from the **terminal** without the need for going to a browser. Utilizes Google's **Large Language Model(LLM), Gemini Pro**.

Network

[GitHub Repo](#) [🔗](#) | [Video Demo](#) [🔗](#)

A full-stack **social networking site** like **Twitter**, for making, deleting, and editing posts. Using Fetch API, implemented following features: like and unlike posts, and follow other users.

View [all projects on my website](#) [🔗](#) .

Education

Bachelor of Engineering, Electrical & Electronics,

Jul 2021 | Hyderabad

Muffakham Jah College of Engineering & Technology

Courses

- **CS50X: Introduction To Computer Science, Harvard University.** [Verified Certificate](#) [🔗](#)
- **CS50W - Web Programming with Python and JavaScript, Harvard University.** [Verified Certificate](#) [🔗](#)
- **Fundamentals of Network Engineering - Hussein Nasser, Udemy.** [Verified Certificate](#) [🔗](#)