

Mustafiz Kaifee Mumtaz

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EDUCATION

- National Institute of Technology, Jamshedpur** Jamshedpur, India
Bachelor of Technology — CGPA-8.01 Aug 2017 - May 2021

EXPERIENCE

- BitGo** Bengaluru, India
Software Engineer May 2024 - Present
 - Transaction Monitoring:** Designed and implemented a transaction analysis service to identify and mitigate fraudulent activities and high-risk financial transfers, enhancing overall system security.
 - Travel Rule:** Developed an independent funds withdrawal system optimized for rapid processing while ensuring compliance with travel rules and regulatory requirements in Singapore, Europe, Dubai, and Korea.
 - VASP:** Developed dashboard for a virtual asset service provider to manage transactions and Personally Identifiable Information (PII), enabling transfer claims, rejection processing, and report downloads.
 - Mentoring:** Mentored **two interns** by assigning tasks, conducting PR reviews, promoting best coding practices, and providing support to resolve blockers and technical issues.
 - Tech Stack:** NodeJs, TypeScript, MySQL, MongoDB, PostgreSQL, Kafka, Kubernetes, ReactJs
- MediBuddy** Bengaluru, India
Software Development Engineer April 2022 - May 2024
 - Ayushman Bharat Health Account (ABHA):** Led ABHA, an initiative by the Indian government, centralizing health record access and securing medical history, improving patient data privacy, and streamlining care processes. Achieved over **150,000** ABHA ID creations and **120,000** linkages, integrating key features for MediBuddy's certification by the NHA.
 - Unified Health Interface:** Developed an interface that works with PayTM, Driefcase, Practo, and other organizations to offer instant access to online and offline healthcare services, resulting in a **25%** increase in consultations.
 - CoWIN:** Integrated CoWIN within MediBuddy for efficient COVID certificate management, resulting in over **100,000** downloads.
 - Offline Consult:** Developed a consultation service to boost in-person medical appointments, leading to a **200%** rise in just three months.
 - Tech Stack:** NestJs, NodeJs, Java, MySQL, PostgreSQL, ReactJs, NextJs, Docker, Jenkins, SQS, Lambda, SNS, Kafka
- Axis Bank Freecharge** Mumbai, India
Graduate Engineer Trainee January 2021 - April 2022
 - Failure Retrial Mechanism and Payment Integrity:** Created a microservice using AWS SQS to automate failure retrials and detect duplicate payments, reducing manual checks and improving customer satisfaction by 93%.
 - Payment Integration:** Integrated the Razorpay payment gateway to ensure seamless transaction processing, resulting in 50% fewer failures than Juspay.
 - Referral System:** Designed a referral system with Node.js-MongoDB, boosting income by 25% over a year.
 - Architectural Optimisation:** Refactored system architecture resulting in a 40% improvement in performance, 30% reduction in costs, and optimized CPU usage, decreasing average load by 50%.
 - Tech Stack:** NodeJs, MongoDB, AWS, Docker, Kafka, SQS

SKILLS

- Programming Languages:** JavaScript, TypeScript, Python, Java
- Web Technologies:** HTML, CSS, React.js, Next.js
- Backend Technologies:** Nest.js, Node.js, Caching, JWT, Kafka
- DevOps and Tools:** Kubernetes, CI/CD, Docker, Git, GitHub Actions, GitLab, Jenkins
- Databases:** MySQL, MongoDB, PostgreSQL, Elasticsearch
- Cloud Services:** ECS, S3, Lambda, SQS, SNS, CodePipeline, Athena, Glue
- Data Visualisation and Analysis:** Retool, Superset
- Design Principles & Methodologies:** Design Patterns, Object-Oriented Programming, REST API Design, Microservices Architecture
- Cryptography Algorithm:** Diffie-Hellman Key Exchange Algorithm, AES, RSA

PROJECTS

- **MoneyMind** (moneymind.mustafizkaiffee.in)

Dec 2024 - Present

- Developed a money management system allowing users to track income and expenses by category, analyze spending trends through graphs and time-based filters, and download reports in CSV or PDF formats.
- Future focus: Automating transaction entry by integrating UPI, SMS, email, and card data for seamless expense management.

ACTIVITIES AND LEADERSHIP

- **GirlScript Summer of Code**

March 2020 - 2022

- Mentored **50+** aspiring backend developers globally, delivering foundational training in backend languages, databases, and system architecture. Performed **100+** in-depth code reviews, contributing to a **70%** improvement in technical proficiency and engineering best practices.