

Md Muzammil Shaikh

Shaikhmuza99@gmail.com | +917709359139 | Ulhasnagar, Maharashtra.
[linkedin.com/md-muzammil-shaikh/](https://www.linkedin.com/md-muzammil-shaikh/)

Skills

Languages: Python, JavaScript, SQL

Web Frameworks: Django, Flask

Technologies & Tools: RASA, Redis, JWT, PostgreSQL, MySQL MongoDB, PgBouncer, CI/CD, Docker, NGINX, Celery, REST Architecture, Microservices, Distributed Systems, AWS, EC2, ECS, S3, RDS, ElastiCache

Certification: Full stack with Python (Fynd Academy)

Work Experience

Route Mobile Ltd, Mumbai

Jul 2023 - Present **Software Developer**

- Spearheaded the development of an application for a no-code Chatbot Creation platform on AWS ECS, resulting in a 50% reduction in development time for AI-based Chatbots.
- Created NLP and AI-based chatbots using Amazon Lex and Rasa, which contributed to a 30% improvement in customer interaction and satisfaction rates.
- Introduced an asynchronous workflow into the existing architecture, resulting in a substantial 60% increase in throughput using Celery, directly impacting operational efficiency and scalability.
- Led team efforts on various projects, ensuring timely delivery of features and achieving a 10% improvement in overall project completion rates.
- Optimized application performance by implementing caching solutions, DB connection pooling, reducing server response time by 40%.
- Utilized expertise in a wide range of technologies, including AWS services (EC2, S3, ECS), Python, Django, Flask, Redis, JWT, Celery, PostgreSQL, Docker, NGINX, and Rasa, to drive innovation and efficiency.

Infosys, Mumbai

Nov 2021 - Jul 2023 **Senior System Associate**

- Authored automation scripts for the team, slashing operation time by 70% and driving a remarkable 98% increase in team productivity.
- Implemented Python scripting, resulting in a 50% reduction in process time, directly contributing to a 30% increase in overall operational efficiency.
- Developed and Integrated APIs into existing web applications, improving functionality and increasing user engagement by 20%.
- Collaborated with cross-functional teams on design, coding, and debugging, reducing development cycles by 15% through efficient teamwork and communication.
- Resolved over 95% of reported bugs from internal and external customers within SLA timelines, enhancing system reliability and user satisfaction.

Education

B.Sc. in Information Technology

University of Mumbai, CGPA: 8.6/10

Jun 2018 - May 2021

Project Work

- **Roubot-2023:** Created a AI based chatbot creation platform using Django, AWS Fargate, S3, Celery, Docker, DocumentDB, ElastiCache and Flutter. Introduced an asynchronous workflow for creating high throughput. Leveraged the use of AWS Fargate and ECS for ensuring high availability of the application. Used AWS RDS for storing structured data.
- **Bill Sending application:** Developed a Flask application that retrieves data from an MSSQL database and generates bills by mapping values to an HTML template using Jinja2. The generated HTML binary files are converted to PDFs and sent to respective WhatsApp numbers. Utilized Meta APIs and multithreading to generate hundreds of bills per minute. Implemented a cron job to automate the process, ensuring the application runs every minute as a SaaS solution.