

Daniyal Abbasi

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EXPERIENCE

CLICKPOST AI | SOFTWARE ENGINEER

Aug 2023 - Aug 2024 | Delhi, India

- Lead the notification module, a system that processes over 1.5 million orders and sends out over 200K+ notifications to end users daily
- Revamped the entire module by migrating it from Python to Java and incorporated ScyllaDB to keep tracking of lifecycle events instead of PostgreSQL. Used best practices like Service Layer architecture, and de-coupling the workflow into independent components for improved modularity.
- Achieved a 3x reduction in processing time, which significantly lowered server costs by reducing the number of Kafka workers needed to process daily loads.
- Developed a baseline framework for the module that enhanced its robustness and flexibility, making it easier and faster to accommodate future feature requests from internal teams or clients.

ZAPPIT.AI (SPOTLIGHT SHOPS) | SOFTWARE ENGINEER

Jul 2022 - Jul 2023 | Remote

- Joined startup as Lead Backend Engineer, solely built and maintained backend infrastructure while also managing server operations and deployments.
- Implemented various product features, such as wallet, cashback, and rewards system, to enhance user experience. Additionally, developed subscription feature that garnered over 500 active subscribers within two months, with automatic renewal payment processing.
- Built CI/CD pipelines using GitHub Actions and AWS ECS for rolling deployments, significantly reducing manual effort required to deploy new versions.
- Set up AWS CloudFront as CDN for static and media assets, and AWS S3 for object storage.
- Leveraged AWS Lambda for routine jobs, which were executed periodically or triggered by AWS EventBridge events.

INNOVACER | SOFTWARE DEVELOPMENT ENGINEER 1

Jul 2021 - Jul 2022 | Noida, India

- Joined patient app team and, within four months, took full responsibility for managing backend, which consisted of seven microservices, after senior engineer's departure.
- Slashed down the build and deployment time of Docker containers from about 10 minutes to under 2 minutes by incorporating multistaged build and using Docker layer level caching to store and hence skip the build of unmodified layers.
- Created in-house Python packages for common utilities as well as a plug-in for integrating AWS S3 as a CDN which were used across different teams to standardize the organization policy of object and media storage.

INNOVACER | SOFTWARE DEVELOPMENT INTERN

Jul 2021 - Jul 2022 | Noida, India

- Worked as a backend developer creating REST APIs and worked on Ejabberd (Chat Server). Received a pre-placement offer for a full-time role because of excellent performance.

EDUCATION

UNIVERSITY OF FLORIDA,

MASTER OF SCIENCE, COMPUTER SCIENCE

Aug 2024 - May 2026 (expected) | Gainesville, FL

JAMIA MILLIA ISLAMIA,

BACHELOR OF TECHNOLOGY, COMPUTER ENGINEERING

Aug 2017 - June 2021 | Delhi, India
GPA: 9.44 / 10.0

SKILLS

LANGUAGES

Python | Java | JavaScript | Dart | HTML | CSS | C/C++

TECHNOLOGIES / TOOLS

Django | Git | Github | Linux | AWS | DataBricks | PostgreSQL | ScyllaDB | Kafka | Redis

OPEN SOURCE

Google Summer of Code: Worked with the Django Software Foundation and contributors to implement an in-built Redis caching backend for Django.

Outreachy Built a project to connect Wikimedia Commons with Google Drive to make a streamlined upload process.

Vaccination Slot Notifier for Co-Win
Created a tool to notify the availability of immunization appointments during COVID-19.