SAMEER AHMED

Senior Software Developer | Backend & Cloud

📞 +91-7905332677 ✉ samahmed78656@gmail.com in sameer-ahmed56 ⬛ sameerahmed56

Experience

Josh Technology Group — Oct 2024 – Present
Senior Software Developer-1 — *Gurugram, Haryana, India*

- Architected a data de-duplication strategy in a **Django/MySQL** monorepo, eliminating 20+ redundant models and streamlining millions of records to enhance data integrity and query performance.
- Spearheaded the migration of 30+ critical **AWS Lambda** functions (image, PDF, video processing) to the Node.js v20 runtime, utilizing AWS SAM and Layers to improve performance and maintainability.
- Designed and optimized 3+ Apache Spark data pipelines, reducing data ingestion time from MySQL for **100M+** rows.
- Enacted custom authentication with biometrics using **AWS Cognito** and Lambdas, securing over 10,000 users.
- Engineered and modernized the CI/CD infrastructure, migrating legacy Jenkins pipelines to **GitHub Actions** for Django and AngularJS monorepos.
- Improved team velocity by establishing isolated **AWS** development environments and leading technical hiring efforts by conducting **20+** interviews.

Josh Technology Group — July 2023 – Sept 2024
Software Developer — *Gurugram, Haryana, India*

- Optimized **Django** monolith code for the portal by incorporating 3 new reports and an edit history trail feature.
- Designed a modular **microservices architecture** for 4+ services using **NestJS** and **GraphQL**, implementing both **RESTful APIs** and event-driven patterns with **Apache Kafka**.
- Revamped the authentication allowing multi-level parent and child relationships for login/signup.
- Architected a consent service architecture in **Node.js** and **Express.js** for handling different consent on healthcare data
- Contributed to code reviews and knowledge-transfer sessions, fostering a culture of knowledge sharing.

Josh Technology Group — October 2022 – June 2023
Software Developer Intern — *Gurugram, Haryana, India*

- Developed and deployed 8+ microservices on **GCP** (Cloud Run, Functions) using **Flask**, leveraging **GCP Pub/Sub** for asynchronous, event-driven communication.
- Wrote Python test cases for 15+ microservices to ensure quality and reliability, adhering to best testing practices.
- Enhanced PDF generation by configuring Docker to install Chromium, achieving a **60%** reduction in response time

ERP Team KIET — February 2020 – September 2022
Software Developer Intern — *Ghaziabad, India*

- Remodeled the KIET students app UI, increasing the rating from **2.9 to 4.0**, and advanced the UI for web portal
- Optimized attendance marking and retrieval features using **Django**, accelerating performance.

Education

KIET Group Of Institutions (AKTU) — July 2019 – June 2023
Bachelor of Technology in Computer Science — *CGPA - 8.37*

Technical Skills

Languages: Python, JavaScript, C++, TypeScript
Technologies/Frameworks: Django, NestJS, Flask, Node.js, React.js, Apache Spark, React-Native
Databases: PostgreSQL, MySQL, Firestore, MongoDB
Cloud and Tools: AWS (Lambda, Cognito, S3), GCP (Cloud Run, Pub/Sub), Docker, Git, GitHub Actions, Postman
Architectures: Microservices, Event-Driven Systems, CI/CD, RESTful APIs, Data Warehousing

Achievements

- Solved **650+** questions on LeetCode. [**Profile Link**]
- Authored multiple technical articles on backend development and cloud architecture. [**Medium Profile**].
- App head at [**Team ERP KIET**] (ERP Team of College).