

Shaman Sharif

SOFTWARE ENGINEER

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PROFILE

Experienced software engineer with 3+ years of expertise in mobile app development, back-end programming, and DevOps. Proficient in **Flutter, Dart, Python, Swift, FastAPI, Django, PostgreSQL, MariaDB, MongoDB, AWS (Lambda, S3, DynamoDB, API Gateway, Lex)**, and Digital Ocean (**Docker, Traefik**). Skilled in **Monolith** and **Microservice**-based applications, with in-depth knowledge of back-end **design patterns** and **protocols**. Achievements include developing an intelligent automated hiring solution in microservices, resulting in a **200%** increase in new employee acquisition. Created a **chatbot** and two Android apps for **University of North Carolina**.

KEY COMPETENCIES

- FastAPI/Django Framework
- Flutter Framework
- CI/CD Pipeline
- DevOps
- Serverless Applications
- Git & GitHub

PROFESSIONAL EXPERIENCE

InNeed Intelligent Cloud

Oct 2022 – Present

Software Engineer. (**FastAPI, AWS, Django, Flutter, Docker, Nginx, Traefik, PostgreSQL, Git, mongoDB, GCP**)

During my experience, I had the opportunity to work as a Project Lead, leading a team of 10 individuals. I successfully developed 3 mobile applications using Flutter with a narrow timeline. Leveraging Django and FastAPI to build powerful backend systems that leverage the power of Artificial Intelligence. I fostered a culture of clean code principles, instilling a focus on high-quality code standards within the team. Furthermore, I have worked in various cloud-based projects leveraging the power of web.

Accomplishments:

- Led a project integrating **AI** and **microservices** that helped grow client's new employee acquisition by 200%, utilizing the power of **FastAPI, Prisma, DartFrog, PostgreSQL, mongoDB** and **Redis**.
- Developed 3 **Flutter** mobile apps with tight timelines, utilizing **AWS Cognito, Lex, S3, DynamoDB, Firebase Auth, Cloud Storage**, and **Cloud Firestore**.
- Created serverless applications using **AWS Lambda, S3, RDS, LightSail, API Gateway**, and **DynamoDB** for scalable and cost-effective solutions.
- Collaborated with the **DevOps** team to improve **Docker file** writing best practices and contributing efficient and **maintainable deployment**.
- Deployed mobile apps to **Google Play Store and Apple App Store**, hosted front-end static websites on **S3** buckets, and deployed back-end apps to **EC2** and **Digital Ocean** using **Docker** and **Docker Compose**.
- Created chatbots using **Amazon Lex** and **Google Dialog Flow**, enhancing user interactions and automating customer support processes.
- Helped deploy an alternative to **GitLab** and an alternative to **Slack** on Digital Ocean with proper security and **SSL certification** to help reduce **95%** cost in source management and communication monthly.
- Provided assistance to fellow developers, offering guidance and resolving blockers.

Evident BD LTD

Jun 2021 – Oct 2022

Lead Mobile Applications Developer. (Flutter, Django, Firebase, GitHub, GitHub Actions, Figma)

With over 1 and a half years of experience in Lead mobile application developer, I have successfully delivered results across a diverse range of projects. Excelled the deployment process with CI/CD pipelines and leveraging early client feedback to drive iterative development, resulting in impressive 60% faster development than previous projects.

City Transfer & Travel LTD, London

Jun 2019 – Jun 2021

Junior Software Developer. (Python, Django, HTML, CSS, Vue, Sass, Git, GoDaddy)

Worked with product managers and senior developers to design and develop intuitive and robust applications. Host and manage various services in VPS.

EDUCATION

Bachelor of Science in Computer Science and Engineering

Jan 2017 – Dec 2020

Northern University Bangladesh

Passed with a CGPA of **3.48**

PROJECTS

Augmedix Intelligent Hiring Application ([Live Link](#))

- Used **FastAPI** to build microservice using **PostgreSQL**, **mongoDB** and **Redis** that is hosted on **AWS EKS** and **Huawei CCE**.
- Used **background tasks** and **background services** through FastAPI and used **Short Polling Pattern** to reduce API load.
- Used **AWS** (Lambda, S3, API Gateway, DynamoDB) and **Huawei** (FG, OBS, API Gateway) to run serverless functions.

TrMIS ([Live Link](#))

- Training management system for **USAID**, and **JSI** built on **Django** and **SvelteKit**.
- Used **Nginx** and **CertBot** to Load Balancer and Deploy the application **on premise server**.
- Supports **report** generation and download, and **bulk data** input from **excel/csv** format.

Overseas Top Up ([Play Store](#) | [App Store](#))

- A global mobile top up and data top up application built on **Flutter**, **Dart** and **Firebase** with **CI/CD Pipeline**.
- Used Firebase **Auth** to integrate **Google**, **Apple** and **Facebook** single sign on, and **Sentry** for monitoring.
- Used **Firebase APP Distribution** and **Apple Test Flight** to manage development deployments for testing and feedback.
- Used **PayPal** and **Bank Payment gateways** to include payment functionalities.

NoteDown ([GitHub](#) | [Release](#) | [Play Store](#))

- A **markdown** supported note taking app built on **Flutter** and **Dart** that also supports **Rich Text** with an editor.
- Used **Hive DB** (NoSQL) to store notes locally, Generate **PDF** and **DOC** of notes and **export** to device.
- Used **google drive sync** to synchronize notes between **multiple devices** seamlessly.

ENABLE ([Play Store](#))

- A US only mobile application aiming to help research teachers and topics for **UNC** built on **Flutter**, **Dart** and **AWS**.
- Used **AWS Cognito** for authentication and security with the help of **AWS Amplify** package.
- Used **AWS Lex V2** & **AWS Lambda** to crate a chatbot, that connects through **signed encrypted URL**.
- Used **in-app browser** to visit website from **UNC** without leaving the application form chat screen.