Niloy Biswas

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Career Objective:

To work in a creative environment and build my career around technologies that would make me enjoy my work.

Employment History:

1. **Software Engineer L-II (January 2024 – Present)**

   Company Name: Vivasoft Limited
   Location: Floor #11, 16, 19 & 26 Ahmed Tower, 28, 30 Kemal Ataturk Ave, Dhaka 1213
   Department: Mobile

   Duties/Responsibilities:
   - Building mobile applications with Dart and Flutter.
   - Publishing mobile applications to Google Play Store.
   - Research & Development.
   - Working at bKash Limited as an Augmented resource and build and maintain new features of bKash Customer app.
   - Mentoring Junior Developers.

   Projects:
   - **bKash Customer App:** bKash offers a secure and reliable way to make payments to online stores. Not only that, but this app has an intuitive, easy-to-use interface that makes it easy to add money from your bank account and make payments. This application serves over 80 million users. Technologies in this app includes Flutter for pixel perfect mobile application with some native touch for custom SDKs. (**Link**)
   - **Financfy:** Simple accounting and bookkeeping software for small businesses that automates business workflows and save time. Technologies used in this project are **Flutter** and **FCM**. (**Link**)
   - **PiHR:** PI HR is a one-stop, intuitive, simple to use and effective for managing the "people basics" of the organization. Technologies used in this project are **Flutter** for mobile app, **Google Maps API** for location tracking, **FCM** for notifications and **ML** models in **tflite** format for image processing. (**Link**)

2. **Programmer (June 2021 – December 2023)**

   Company Name: Southtech Limited
   Company Location: Hazi Komar Uddin Tower, 3rd Floor – West Side, 27, Ashkona, Dakshinkhan, Dhaka-1230
   Department: Financial Solutions Department (Govt. Projects)

   Duties/Responsibilities:
   - Building cross platform mobile applications using Dart and Flutter.
   - Maintaining legacy Native Android apps.
   - Building backend services with Java Spring Boot Framework.
   - Building CI/CD pipeline with Docker and Kubernetes.
   - Research & development for new technologies.
   - API Load testing.
   - Writing test documents.
   - Client management.

   Projects:
   - **Primary Student Profile:** This is a government project for the Directorate of Primary Education collaborating with CRVS Cabinet Division, BDRIS and NIDW. The main purpose of this project is to digitize the Primary Education sector of Bangladesh in every way possible. In this project, I built the mobile app using **Flutter** and

I also contributed to the backend microservice development using **Java Spring Boot Framework** and I also did all the operations task using **GitHub Actions for CI/CD**, **Docker** and **Kubernetes** in a bare metal server environment. (**Web**, **Mobile**)

- **AFS (Ascend Financial Solutions):** AFS is the pioneer of microfinance solutions in Bangladesh. It has been contributing significantly to the growth of Bangladesh's microfinance industry. Moreover, some other MFIs beyond the borders have benefited from this software. In this project. I worked in the mobile app which was built with **Java** in **Native Android.** I also contributed to the backend development using **Java Spring Boot Framework**. (**Link**)
- **Scaled:** Scaled is a Human Resource Management software, where I maintained and released updates for the existing mobile app. It uses **Flutter** for mobile app, **FCM** for notifications and **Google Maps API** for employee tracking.

3. **Flutter Developer (April 2020 – June 2021)**

Company Name: Bornon IT
Company Location: Khilgaon, Dhaka-1000
Department: Technical

Duties/Responsibilities:
- Developing cross platform mobile application using Dart and Flutter.
- Unit testing and Widget testing of existing Flutter apps.

Projects:
- **Aro's Express:** Aro's Express is a logistics and door to door delivery service provider. This application provides them all their services in the form of a mobile app. Technologies used in this project are – **Flutter** for mobile app and **PHP Laravel** for backend and CMS. (**Link**)
- **Bulk SMS:** This is a mobile application that helps users to send SMS to multiple users at a time. Users can store/save multiple contact information and send SMS whenever they want. Technologies used in this project is **Flutter** for mobile app and **Native Android** for plugins. (**Link**)
- **BDInfo Rajbari:** It is a project from Rajbari Deputy Commissioner. Main purpose of this application is to store birth registration information of new born babies across the different Unions of the Rajbari District. This data is then used for Government related task by the Deputy Commissioner. Technologies used in this project are **Flutter** for mobile app and **PHP Laravel** for backend.
- **Heilo:** Heilo is an EdTech product for an aspiring startup. Heilo provides offline home tutor service. It uses SSLCommerz **Payment Gateway** and **Firebase** as backend.

4. **Co-founder & Software Engineer (May 2019 – April 2020)**

Company Name: Kothon
Company Location: Bangladesh Computer Council, Agargaon, Dhaka-1207
Department: Technical

Duties/Responsibilities:
- Designing and building PBX solutions.
- Building native and cross platform mobile applications.
- Research & Development.
- Managing technical team.

Projects:
- **Kothon:** Kothon is a **VoIP** mobile application built using **Dart** & **Flutter**. It uses the power of **Private Branch Exchange (PBX)** as backend to communicate with others.

Academic Qualifications:

Title	Major	Institute	Result	Passing Year
B.SC	Computer Science & Engineering	North South University	2.87/4.00	2020
H.S.C	Science	University Laboratory College	4.20/5.00	2013
S.S.C	Science	Motijheel Govt. Boys' High School	5.00/5.00	2011

Training/Certification:

Title	Institute	Year	Duration
Red Hat Certified System Administration (RHCSA) (**Link**)	Red Hat	2019	Dec 14, 2019 – Dec 14, 2022
DevOps Bootcamp	Poridhi.io	2024	Present
Java Bootcamp	Codemaster.io	2024	Present

Skills:

- Android and iOS application development using Dart and Flutter.
- Backend service development with Java Spring Boot, PHP Laravel and Go.
- Programming knowledge on Java, Go, Python, Kotlin, Swift, Javascript and PHP.
- Linux System Administration.
- Database – Oracle SQL, PostgreSQL, MySQL.
- CI/CD with Github Actions, Docker and Kubernetes.
- Research & Development.
- Documentation, Version Control with Git and SVN. Debugging, Googling.
- Using AI Agents to build internal tools and poc's.

Research & Publications:

- **Data Mining Techniques to Categorize Single Paragraph Formed Self Narrated Stories,** 5th International Conference on ICT for Sustainable Development (ICT4SD-2020). (**Link**)
- **Professional Information Visualization using Augmented Reality; AR Visiting Card,** 2nd International Conference on Sustainable Technologies for Industry 4.0 (STI-2020). (**Link**)
- **Augmented Reality in Medical Education; AR Bones,** 2021 International Conference on Computing, Communication and Intelligent Systems (ICCCIS – 2021). (**Link**)

References:

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