Niloy Biswas

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PROFILE STATEMENT:

Highly motivated and detail-oriented Software Engineer with a strong foundation in computer science and hands-on experience in designing, developing, and deploying scalable software solutions. Adept at collaborating with cross-functional teams to drive innovation and meet project goals. Eager to contribute technical expertise and a growth mindset to a dynamic software engineering role.

EXPERIENCE:

Vivasoft Limited (Jan 2024 – Present) – Software Engineer L-II

Responsibilities:
- Building backend services with Java Spring Boot framework.
- Managing CI/CD pipeline and deployments for SIT and UAT environments.
- Reviewing PRs and guiding juniors to the right direction.
- Taking part in mobile development from time to time.

Projects:
- **bKash Customer App:** bKash is the largest mobile financial service (MFS) in Bangladesh that allows users to make payments and transfer money. I had the opportunity to work in Pay-Bill, Education-Pay, Payment, Send-Money and Electronic Toll Collection services. Notable technologies used here are Spring WebFlux for non-blocking I/O operations, Redis for caching, Kafka for message queue and AWS for operations and storage.
- **Financfy:** This is an online accounting software that manages business income and expenses. Core technologies used in this project are Go with Fiber for authentication, Java Spring Boot for restful APIs, Redis for caching and RabbitMQ for message queue.
- **PiHR:** PiHR is a leading HR management software in Bangladesh. It is used by more than 500 companies across the country. Core technologies used in this project are – Java Spring Boot for REST APIs, Google Maps API for employee tracking, Redis for caching and RabbitMQ for messaging.

Southtech Limited (Jun 2021 – Dec 2023) – Programmer

Responsibilities:
- Building backend services with Java Spring Boot framework.
- Managing CI/CD pipeline and deployments in bare-metal server environment.
- Research & development for new technologies and POCs.
- API Load testing with JMeter.
- Building and maintaining cross platform mobile applications using Flutter framework.
- Maintaining legacy native android projects using Java.

Projects:
- **Primary Student Profile:** This is a government project for the Directorate of Primary Education of Bangladesh, collaborating with CRVS Cabinet Division, BDRIS and Bangladesh Election Commission. Core technologies in this project include Java Spring Boot framework, Angular, Oracle DB, Docker and Kubernetes.
- **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. Core technologies used in this project are Java Spring MVC, JSP, MSSQL and ActiveMQ.

BornonIT (Jan 2020 – Jun 2021) – Jr. Software Engineer

Responsibilities:
- Building and maintaining backend services using Java Spring Boot framework.
- Building and maintaining cross platform mobile applications using Flutter framework.

- Maintaining legacy native android projects using Java.

Projects:
- **Aro's Express:** Aro's Express is a logistics and door to door delivery service provider. Technologies used in this project include Java Spring Boot framework and MySQL database for backend and Flutter framework for mobile application.
- **BDInfo Rajbari:** A project from Rajbari Deputy Commissioner. Main purpose of this application is to store birth registration information of new born across the different Unions of Rajbari District. This data is then used in Government tasks by the Deputy Commissioner of Rajbari District. Technologies in this project consists of Java Spring Boot framework and PostgreSQL for backend and Flutter for mobile application.
- **Heilo**: Heilo is a EdTech product for an aspiring startup. Heilo provides offline home tutor service. It uses sslcommerz as payment gateway, Firebase as backend and Flutter framework for mobile application.

Kothon (Jan 2019 – Jun 2021) – Co-Founder & Software Engineer

Responsibilities:
- Designing and building PBX solutions.
- Building backend services to integrate with PBX servers.
- Building native and cross platform mobile applications.
- Research & Development.
- Managing technical team.

Projects:
- **Kothon:** It is a VoIP mobile application built using Dart & Flutter. It uses the power of Private Branch Exchange (PBX) and dedicated backend to communicate with others. Technologies used in this project include Asterisk, Java Spring framework, Native Android, and Flutter.

TECHNICAL SKILLS:

- Backend service development with Java Spring Boot, PHP Laravel and Go.
- Android and iOS application development using Dart and Flutter.
- Programming knowledge on Java, Go, Dart, Kotlin, Swift, Javascript and PHP.
- Database – SQL, NoSQL and GraphQL.
- Linux System Administration.
- CI/CD with GitHub Actions, Jenkins, Docker and Kubernetes.
- Research & Development.
- Documentation, Version Control with Git and SVN.
- Debugging, Googling and Prompt engineering.

EDUCATION:

North South University (2015 – 2020)
Bachelor of Science in Computer Science & Engineering (BS CSE), CGPA – 2.87

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**)