

TAKIK HASAN

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TECHNICAL SKILLS

Technical Skills	Java, TypeScript, JavaScript, C++
Frameworks	Spring Boot, Angular, Express, NestJS, Vue.js, Quasar
Databases	MySQL, PostgreSQL, MongoDB, SQLite, Redis
Others	Git, Maven, Kafka, Docker, Jenkins

EXPERIENCE

Senior Software Engineer Apr 2021 - Present
Enosis Solutions *Dhaka, Bangladesh*

- Instrumental in the development of various microservice based backend solutions, utilizing **Java**, **Project Reactor**, **Spring Boot** & **Spring Webflux** for **REST API** implementation. Facilitated smooth integration of **MongoDB** and **MySQL** databases, **Kafka** for asynchronous communication, **Docker** for containerization, **Redis** for caching, **Spring Security** and **JWT** for authentication. Conducted meticulous integration testing with **Mockito**, used **JUnit** for unit testing, managed scheduled tasks effectively with **Cron** jobs, and enhanced performance via multi-threading strategies.
- Drove frontend innovation leveraging **Angular** and **TypeScript** to craft intuitive interfaces. Engineered scalable state management solutions with **NgRx** and **NGXS**, enriched with visually captivating **SCSS** styling.
- Key contributor to the migration of an extensive frontend codebase from the deprecated **AngularJS** to **Angular**. Led cross-functional collaboration, executed rigorous testing, and facilitated team adoption of modern technologies.

Software Engineering Intern Dec 2019 - Jan 2020
Appløye Inc. *Dhaka, Bangladesh*

- Built the frontend for an extension of an employee time tracking app using **React**, and created its prototype with **Django** and **Bootstrap**.

PROJECTS

Book Reader for the Visually Impaired. An android application that can help visually impaired people listen to a book by narrating the book's contents by taking pictures. For this group project, I developed the **REST API** for word segmentation using **Flask** for **API** creation and implemented the core logic using **Python**, which utilized a pre-trained machine learning model.

EDUCATION

Bachelor of Computer Science & Engineering, 2017 - 2022
Military Institute of Science and Technology, Bangladesh

COMPETITIVE PROGRAMMING & ACHIEVEMENTS

- Participated in **20+ onsite national contests (IUPC) & ICPC Regionals** 2019, 2020.
- University computer club's **Best Newcomer Programmer Award**, 2017.
- Secured the distinguished individual rank of **Candidate Master** on Codeforces, ranking among the top contestants on the platform. (Codeforces: [Takik](#), UVA: [Takik](#), VJudge: [Takik](#))

LEADERSHIP

- Mentored university juniors in advanced **data structures**, **algorithms**, and **problem-solving methodologies**, to enhance team performance and competitiveness in programming competitions.