

Md. Farhan Fuad Ronok

Backend Engineer
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Nuremberg , Germany

Technical Expertise

- **Languages:** Java, JavaScript
- **Database Systems:** MySQL, PostgreSQL, MongoDB
- **Framework:** Spring boot, Hibernate, Asterisk, Laravel, VueJS
- **Tools:** Docker, Redis, RabbitMQ, Vim, Git, WireShark

Concept

- Software Architecture (Microservice, SOA)
- Data Structure And Algorithm
- Object-Oriented Programming
- Computer Networking
- Scripting
- Agile Methodologies (Kanban, Scrum)

Work Experience

Backend Engineer

June 2022 - Present

- **Elinvar Platform (Tool: Spring Boot, PostgreSQL, Docker, GIT)**
 - Responsible for computing financial data, such as asset under management (AUM), performance which are displayed to near real-time apps in the form of web apps.
 - convert a monolithic system into a functional microservice based on business requirements
 - Add new functionality and refactor the existing codebase

Analyst Programmer, SynesisIT Limited

April 2020 - March 2022

- **Convey - Meeting Platform (Tool: Spring Boot, Spring Cloud, Redis, Docker, GIT)**
 - Designed a highly available service that acts as a connector between two services.
 - Used Redis Cluster for increasing throughput and decreasing data access latency throughout the application.
 - Currently, more than 300 people can perform meetings on the convey platform.
- **SMS Gateway (Tool: Spring Boot, Spring Cloud, MongoDB, RabbitMQ, Docker, GIT)**
 - Designed SMS Gateway platform ensuring both Scalability and redundancy.
 - Contributed almost 5000 lines of code by developing Rest API for 3rd Party Integration.
 - Currently, more than 50,000 SMS are being sent nationwide every day by this Platform.
- **Contact Center (Tool: Asterisk, Spring Boot, MySQL NDBCluster, RabbitMQ)**
 - Used Asterisk-Java to alleviate CPU load on the telephony server, resulting in handling up to 800 Concurrent Calls efficiently.
 - Analyzed existing voice Packet through WireShark to ensure that VoIP traffic does not interfere with or hinder network data traffic.
 - This application is for Bangladesh Government's national health that serves remote diagnosis over teleconference to more than 30 million rural people.

Senior Programmer, SynesisIT Limited

April 2018 - April 2020

- **CRM with E-prescription National Health Call Center (16263) (Tool: Laravel, Asterisk, VueJs, MySQL, Nginx, GIT)**
 - Designed and developed 2 Subsystems (CRM, E-prescription) for National Health Call Center.
 - More than 200 agents across 5 different call centers use this system.
 - Around 5 Million users received e-prescriptions on their phones through the system.
- **SHOJON, Bangladesh Police(Tool: Laravel, MySQL, Nginx, GIT)**
 - Developed ajax based live Call-dashboard and Calling system of SHOJON.
 - Contributed to more than 6000 lines of code on the Reporting module.
 - At present, this system is being used in one of the prisons of Bangladesh.
- **Miscellaneous**
 - Reduced DB Query time by 70% for data visualization by introducing Database Indexing.
 - Automated Call Center deployment with Advanced Bash Scripting with cronjobs.
 - Automated Database Backup Process of production applications with Scripting.

Assistant Programmer, SynesisIT Limited

April 2016 - April 2018

- Developed real-time doctor prescription VIEW for the Call center agents.
- Developed an Ajax-based Call Center dashboard for showing Real-time data from the Backend.
- Developed and Managed Value-added services (VAS) services for different stakeholders.

Education

B.Sc. in Computer Science & Engineering
Ahsanullah University of Science & Technology

April. 2012 – April. 2016

Achievements

Excellent Employee of the Month
Prudence Employee of the Month

April'18
June'18

Necessary Links

[Medium](#) - [GitHub](#) - [LinkedIn](#) - [Personal Website](#)