MD KHAIRUL ISLAM

Full Stack Web Developer

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EXPERIENCE

Freelance Software Developer
Toptal

📅 Feb 2022 – Present   📍 Remote

Profile: `https://toptal.com/resume/md-khairul-islam`

Working in various contract based projects mostly with US companies.

Full Stack Developer
Works Applications Co., Ltd.

📅 Oct 2017 – Jan 2022   📍 Singapore

- Reduce server response time by using Cache, optimizing SQL & using Parallel query execution (by Thread Pool).
- Writing flexible Search logic on RDB data (Required for consistency issue). This search only joins necessary RDB tables & returns only necessary data. SQL is generated dynamically based on search keys.
- Created a web tool to automate the whole life cycle of starting a spring based micro-service in local (Using docker).
- Created a Inventory management system in Training period.
- Refactor & optimize back-end logic(Java)
- Mainly have experience working with Java, React Js & AWS services.

Research & Development Engineer
IPvision Canada Inc.

📅 Feb 2017 – Sept 2017   📍 Dhaka,Bangladesh

- Reduced the size of a face detection model by 50% for detecting 64 points on human face.
- Mainly have experience working with python & opencv.

EDUCATION

Bachelor of Science (BSc. Honors)
University of Dhaka

📅 JAN 2013 – JAN 2017   📍 Dhaka, Bangladesh

Major in **Computer Science & Engineering**

ACHIEVEMENTS

- Placed 21st in **ACM ICPC Dhaka Regional 2015.**
- Also participated some other **National Programming contests.**
- Runners-up in math olympiad in college.

PROFILE

Full-stack software developer with experience of writing production quality code with proper unit & integration tests. Interested in building career in back-end or full-stack engineering.

SKILLS

1. Programming Language
   - Fluent: **Java, JavaScript**
   - Comfortable: **Python**
2. Framework
   - Fluent: **Spring Framework, Python-flask, ReactJs, NextJs**
   - Comfortable: **Expressjs**
3. Database
   - Fluent: **Mysql, AWS Aurora**
   - Comfortable: **Elastic Search, AWS DynamoDB, Redis**
4. AWS Services
   - Fluent: **EC2, S3, EFS, Cloudwatch**
   - Comfortable: **Lambda, DynamoDB, ECS**
5. Other Tools
   - **Git, Docker, Linux-shell**
   - Preferred OS: **Linux/Mac**

HOBBY PROJECT

It's a simple image processing tool that has advanced resize & reduce image size options and also provides some custom business services.

- url: `https://imresizer.com`
- Hosted in: **AWS**
- Technology: **micro-service architecture, Front-end-service(NextJs), Back-end-service(Flask), Cloudflare CDN**

OTHER PROJECTS

Soccer Game Manager
This is a platform to buy/sell soccer players.

- User authentication is handled via Spring security & JWT token.
- Technologies: Java, Spring boot, React, TailwindCss, Docker-compose
- Source: `https://github.com/black-turtle/soccer-app`