

# K M EMON AHMED

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Software Engineer | Solution Architect

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## SUMMARY

Experienced software engineer with over 3+ years of expertise in backend technologies, system design, APIs, and cloud architecture. Proficient in data structures, algorithms, and AWS cloud technologies. Proven ability to deliver high-quality solutions under pressure. Passionate problem solver and collaborative team player.

## SKILLS

- **Languages:** Python, JavaScript.
- **Backend Development:** Django, DRF, Flask, FastAPI, Celery, Redis, MQTT, RabbitMQ, Selenium.
- **Databases:** MySQL, PostgreSQL, MongoDB.
- **DevOps and Deployment:** Docker, Docker Compose, CI/CD.
- **Cloud Technologies:** AWS (certified), Heroku, DigitalOcean.
- **Version Control:** GitHub, GitLab.
- **Frontend Development:** Html, CSS, Bootstrap, jQuery, ElectronJS.

## EDUCATION

### Daffodil International University

B.Sc. in Computer Science and Engineering  
2017 - 2021

### Govt K.M.H College

Higher Secondary Certificate  
2013 - 2016

## CERTIFICATIONS

- **Solution Architect - Associate**
  - Amazon Web Services - May 2024
- **Python Specialization**
  - Coursera - Jun 2020
- **Django Specialization**
  - Coursera - Jun 2020

## PROFESSIONAL EXPERIENCE

### Software Engineer

Ticon System Ltd. | June 2021 - Present

- Lead More than 5 projects.
- Design full backend system for several applications.
- Implemented full backend functionalities for direct Django web project and implemented API's for more than 20 projects.
- Developed sensor communication mechanism following vendor protocol document for Korean army project.
- Integrated machine learning model for more than 10 projects.
- Designed cloud architecture, Deployed projects to cloud, Managed cloud infrastructure.
- Customized frontend using Django template programming, Implemented dynamic frontend using JavaScript and jQuery, Implemented basic design using Html, CSS and JavaScript.
- Implemented Desktop Applications Using ElectronJS, JavaScript and jQuery.

## PROJECTS

- **Good Bridge - Border Device Monitoring (Korean Army).**
  - **Technologies:** Python, Django, Rest Framework, MySQL, MQTT, Electron JS, JavaScript, JQuery.
  - **Responsibilities:** Project Lead, Full, System Design, API Implementation, Desktop Application Development, ML model integration, Sensor communication development.
- **Advanced B2B Networking System- BusinessToGlobe.**
  - **Technologies:** Python, Django, MySQL, JavaScript, jQuery.
  - **Responsibilities:** Backend, Django template programming, frontend dynamic customization, Cloud Management.
- **WillAudio - Karaoke Stream Split & Subtitle Generation.**
  - **Technologies:** Python, Django, Template, MySQL, Rest Framework, ML.
  - **Responsibilities:** API Implementation, Template Programming, System Design, ML model integration, Cloud management.