

Khyrul Bashar



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Skills

Programming Languages	Python3, JavaScript(vanilla) Previously worked: Java, C#
Frameworks	Django, Django Rest Framework, QT PySide6
Database	PostgreSQL, SQLite
Virtualization tools	Docker
Development Tools	VS Code, Vim, bash shell, CMD
Cloud env	AWS
IoT Protocols	MQTT, OPC UA, MODBUS TCP/IP

Work Experience

Software Project lead at Unipolar Automation Technologies(unipolar.com.bd) since September 2019.

Domain: We are developing industrial automation monitoring and controlling SCADA software for web platforms.

Technologies:

- ❑ Web: Django, Websocket, React, PostgreSQL, Docker
- ❑ Automation: PLC, KepServerX, OPCUA, MQTT

Responsibilities:

- ❑ Lead a team of 5 for developing IIoT solutions for Manufacturing and Utility Industry.
- ❑ Developing IT infrastructure for 25 people Company.
- ❑ Maintaining communication with clients from requirement analysis to project deployment.
- ❑ Leading internal projects related to office operations.
- ❑ Heading the recruitment committee for different teams.

Personal Projects

- ❑ A **PDF Debugging software** based on **Java** and **Java Swing**. This was a **Google Summer of Code(GSoC 15)** project mentored by the Apache foundation.
 - ❑ **Experience:** During the development cycle I used **Jira** to keep track of the development progress and one of the hardest as well as rewarding experiences were writing *readable* and *extendable* code.
 - ❑ **Project link:** <https://issues.apache.org/jira/browse/PDFBOX-2530>
- ❑ **News aggregator and ranker**, a web application that gives real-time news link ranking based on their social media interaction. Tools used are **Python**, **Django framework**, **Celery** for scheduling, **Beautifulsoup** for scraping.
 - ❑ **Experience:** This project was part of my Software engineering course where in addition to coding I learned about and application of other software development steps namely *requirements analysis*, *testing*.

Awards and Honors

- ❑ **Google Summer of Code Student, 2015.** A global mentoring program funded by Google and conducted by Open source organizations from around the world.
- ❑ **Second Runner up** in International Competition for Programming and Software Design (ICPSD' 14), A contest on System design and development participated by all renowned universities of the country.

Awards and Honors

- ❑ **National Android Apps Development Training, Chittagong.**
Issued by Ministry of Information and technology · May 2014
- ❑ **System Design Short Course, Online. (Running)**
Conducted by Tamim Shahriar Subin, Former Engineering Manager at Grab

Education

- ❑ **Bachelor in Computer Science and Engineering (CSE)** from Chittagong University of Engineering and Technology (2011-2017).
- ❑ **Higher Secondary School Certificate (HSC)** from Government Hazi Mohammad Mohsin College. (2009-2010)
- ❑ **Secondary School Certificate (SSC)** from Bangladesh Nou-Bahini School and College, Chittagong. (2007-2008)