[All the Blue Colored Texts are clickable hyperlinks]

Md Atiqur **Rahman**

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ABOUT ME

I am a UAS and Embedded developer, having an EASA A1/A3 pilot license, and have experience in building and flying drones. My expertise encompasses the use of embedded and IoT platforms in conjunction with sensors, actuators, and control systems, providing a solid understanding of applications in the automation industry.

Furthermore, I am experienced in providing technical support and troubleshooting services to ensure the smooth running of computer systems. With a proven track record of successfully resolving complex technical issues, I possess a deep understanding of various operating systems, hardware, and software applications. My ability to communicate effectively with both technical and non-technical stakeholders enables me to excel in providing exceptional customer service and support.

KEY QUALIFICATION

- CubePilot
- Ardupilot
- Pixhawk
- QGroundControl
- A1/A3 Pilot Licence
- Embedded C, C++
- Arduino
- Linux System Administration.
- Embedded Linux (Yocto Project)
- HTML, CSS
- Fusion 360
- 3d printing
- Photogrammetry
- Reality Capture
- Maps Made Easy
- Map Pilot Pro
- DJI Drones
- Betaflight
- RPA (UiPath)
- ITIL/IMACD

EXPERIENCES

1. Current Position **Robot Aviation** Unmanned Systems Development and Testing Engineer (Intern) Flyplassveien 24, 3514 Hønefoss, Norway

Tools

CubePilot, Ardupilot, Pixhawk, QGroundControl, A1/A3 Pilot Licence, C++, Linux, Fusion 360 , 3d printing, Bash Scripting, Windows Powershell,

Responsibilities

- Implement new technologies and payloads into unmanned systems, ensuring seamless integration and efficient functionality.
- Configure and optimize these technologies to enhance the performance of unmanned systems.
- Design and configure software-based simulation environments to simulate real-world scenarios and test system functionalities.
- Collaborate with cross-functional teams to ensure compatibility and effectiveness of integrated technologies and payloads.
- Conduct thorough testing and troubleshooting to identify and resolve any issues related to new technologies or configurations.
- Document processes, configurations, and results for future reference and continuous improvement.
- Stay updated with the latest advancements in technology and payloads relevant to unmanned systems.
- Contribute to the development of innovative solutions and improvements in unmanned systems technology.

2. Jan 2018 - Nov 2019 **CodeFix IT** IT Support Engineer 34, Awal Centre (Level-4, Kemal Ataturk Avenue, Dhaka 1213

Tools

C++, RPA (UiPath), Linux, Microsoft 365, ServiceNow, Active Directory, IMACD, HTML, CSS, Javascript, Python.

Responsibilities

- Responding to and resolving technical support requests via phone, email, or in-person .
- Diagnosing and troubleshooting hardware and software issues on desktops, laptops, and mobile devices.
- Managing ticketing systems for timely resolution and communication.
- Diagnose and resolve hardware and software issues.
- Collaborating with the development team for complex challenges.
- ITIL principles for IMACD (Install, Manage, Add, Change, Delete) processes.
- Managing Active Directory, including creating user accounts, managing group policies, and passwords.
- Conducting remote troubleshooting and providing technical assistance to customers via email, phone, or chat.
- Assisting customers in configuring software solutions to meet their specific needs and requirements.
- Providing end-user training and support for common software applications such as Microsoft Office.
- Investigate and solve problems with printers, routers, and other peripheral devices.
- Installing and configuring operating systems and software applications on new or upgraded systems.
- Documenting technical issues and their resolutions in a knowledge base or incident management system.
- Collaborating with other teams to ensure the successful implementation of new technology initiatives.
- Configuring hardware, devices, and software to set up workstations.
- Train and support non-technical employees about newly installed and updated technologies.

PROJECTS

- IoT-Based Control & Security System With Real-time Monitoring & Notification. (C++, HTML, CSS, Javascript) **[Won 2nd prize at Intra University Project Competition]**
- IoT Weather Station. (C++, HTML, CSS, Javascript)
- Automatic Irrigation System. (C++)
- Industrial Sorting Machine Prototype. (C++)
- Smart Home Automation. (C++, HTML, CSS, Javascript)
- GSM Remote Controlled Irrigation System. (C++)
- Biometric Attendance System. (C++, PHP)

EDUCATION

Aug 2020 - June 2024	**University of Oslo** Master of Science	Programming and System Architecture
Jan 2014 - Dec 2017	**University of Development Alternative** Bachelor of Science	Computer Science & Engineering

VOLUNTARY / OTHER EXPERIENCE

Founding president of a non-profit organization named **"Hridoye Bangladesh"** for about 300+ Members in Oslo.

Board Member, Admin and **Web & Media Manager** of the Board of Directors at **Kringjå Cricket Club** in Norges Cricket Forbund.

REFERENCES

Niklas Nyroth

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