Full-Stack Software Developer and Analyst   (16 months)

There's a New Energy on Board! Our company MHI RJ Aviation Group (MHIRJ) provides comprehensive critical operational, engineering and customer support solutions including maintenance, refurbishment, technical publications, marketing and sales activities for the global regional aircraft industry. Headquartered in Boisbriand, Quebec, and bolstered by an Aerospace Engineering Center, MHIRJ's network of service centers, support offices and parts depots are positioned in important aviation hubs in the U.S., Canada and Germany. A wholly owned subsidiary of Mitsubishi Heavy Industries, Ltd, MHI RJ Aviation Group includes MHI RJ Aviation ULC (Canada), MHI RJ Aviation Inc. (U.S.A.) and MHI RJ Aviation GmbH (Germany).

The Reliability and Cost Analysis Services team is responsible for managing aircraft reliability data, business intelligence systems and aircraft maintenance cost.

In this role you will contribute to leveraging data to create value for the internal and external stakeholders. This will be accomplished through the development, delivery and support of new and existing tools and applications.

Your tasks will include:

- Deliver dashboard that provides detail data to every serialized component installed in the Fleet;
- Build a theoretical model to characterize the reliability performance of the CRJ100/200/700/900/1000;
- Build a tool (or set of tools) on MHIRJ's Business Intelligence platform (MicroStrategy or Python basis tool) that allows for quick and efficient monitoring of the reliability performance of the CRJ100/200/700/900/1000 products.
- Make documentation associated with the tool(s)
- Update heavy-check non-routine findings and aging analysis for CRJ by using service center data

You will develop the following skills:

- Software Development and Deployment
- Working in a development team
- Cloud architecture, deployment and authentication

The skills you bring:
- Are enrolled in Software Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering or Computer Science
- Know programming languages: Python, R
- Have knowledge of Cloud Infrastructure and Development (MS Azure, Devops)
- Have knowledge of databases and SQL language (SQL Server, Oracle)
- Know MS Office suite (particularly Excel, Access, Word and PowerPoint)
- Have knowledge of Command line Unix/Linux environments
- Are an excellent communicator and self-starter. Strong team player. Detail oriented.

Additional details:

- Position located at East Mississauga, Ontario – flexible working schedule with expectation to be physically working at the office when required (subject to change while adhering to provincial guidelines for COVID-19)

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