Yousam Asham

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in yousamasham

TECHNICAL SKILLS

LANGUAGES

Python • Java • C# • C • Apache Groovy • HTML • CSS • JavaScript • Swift • SQL • MATLAB

TOOLS & FRAMEWORKS

.NET • Azure Kubernetes Service (AKS) Power BI • Visual Studio • Jenkins • MSSQL UrbanCode Deploy • LaTeX

EDUCATION

MCMASTER UNIVERSITY | B.Eng.BME Software Engineering

Sept 2018 - Apr 2024 | Hamilton, ON • cGPA: 3.9 / 4.0

Dual Major in Software and Biomedical Engineering

EXPERIENCE

ONTARIO TEACHERS' PENSION PLAN | Associate Software Developer

May 2024 – Current | Toronto, ON

- Support product teams with migrating and developing applications to run in AKS.
- Define various development standards and patterns including secret management and retrieval, asynchronous processing, pub/sub integrations with message brokers, and efficient auto-scaling.
- Using, managing, and training product teams to use latest cloud enablement frameworks such as DAPR, KEDA, Helm, and Ingress.
- Design, plan, and execute 4 cloud migration initiatives for product teams.

ONTARIO TEACHERS' PENSION PLAN | Software Developer Intern

May 2021 – May 2024 | Toronto, ON

- Develop and help deliver in-house .NET solutions created to aid portfolio managers' investment order booking.
- Assist in onboarding SSO solutions for order booking through Excel Addins and ASP.NET Web APIs.
- Design and implement new processes as well as enhancements to optimize pipelines & delivery infrastructure.
- Aid in automating DB refresh process to include 0 manual steps, including scheduling refreshes aligned to release cadence.
- Provide DevOps support to multiple teams and assist with production deployments and troubleshooting.

HONEYWELL | Technical Lead Assistant

Jan 2021 – May 2021 | Stoney Creek, ON

- Work with P3 Project Tech Lead to design and test software given requirements.
- Present and showcase designs to implementation team and vendors to communicate software requirements.

PROJECTS

SA(C)LT | Arduino, Embedded systems/software design

- "Socks for ACL Tears" is a project that integrates software and biomedical knowledge to create a device that qualitatively and quantitatively aids athletes with decisions regarding their return to sport.
- Using C++, Arduino, and embedded sensor design knowledge, this project was constructed on clinical evidence including concepts such as Limb Symmetry Index (LSI).
- Used sensors such as accelerometers, gyroscopes, and force sensors.

FILTRACK | Java

- A Web App used to help users look for music recommendations from a large data set of 300,000+ tracks.
- Uses scores assigned to each track and match it with the user's input of what music the user would like to hear.
- Designed and implemented various graphing, sorting, and searching algorithms.