

JACOB ROSS

www.jacobross.ca ♦  jross263 ♦ jacob@jacobross.ca

SKILLS

Languages	JavaScript, TypeScript, HTML, CSS, SQL, C# \LaTeX
Frameworks/Libraries	React, MUI, Express.js, Node.js, TypeORM
Cloud	Azure (App Services, CI/CD Pipelines), AWS (EC2, S3, SNS), Vercel
Tools	Git, Visual Studio Code, Azure DevOps

WORK EXPERIENCE

Programmer - Analyst, Ontario Power Generation *May 2021 - Present*

- Maintained and develop internal software relied upon by maintenance staff at Pickering and Darlington nuclear stations, providing performance metrics and tools to perform work more effectively
- Redesigned existing Power App into a web application, Utilizing technologies such as React, Express, and Azure to reduce monthly licensing fees by 90%
- Created multiple CI/CD pipelines to deploy seamlessly to cloud environments, increasing developer productivity
- Responsible for onboarding new developers, helping them with technical questions, and setting up development environments

Programming/Contract Coordinator Intern, Ontario Power Generation *June 2019 - 2020*

- Migrated legacy systems from Microsoft Access to modern web applications using JavaScript, improving user experience and driving monthly usage up 200%
- Organized and chaired weekly and semi-annual meetings with one of OPG's contract partners, tracking action items, dealing with potential safety concerns, and recording meeting minutes

Network Storage Consultant, Automation Design Services Inc. *July 2020*

- Worked through secure shell and web front-end to manage user permissions to ensure confidential files were safe and secure
- Created a Custom Root CA and installed it on all client machines to ensure all local connections are made securely over HTTPS
- Setup and deployed an SFTP server, allowing clients a convenient way to access files on the job site

PROJECTS

jacobross.ca, Personal Project *July 2022 - Present*

- Created and deployed personal website using React and MUI, giving myself a space to showcase projects I'm working on

Tacobot, Personal Project *July 2022 - Present*

- Created and deployed a Discord bot to Heroku, giving an easy and convenient way to mass delete user messages, a feature not available within the normal software
- Created a website with Next.js and Firestore to view and display bot usage, allowing server owners to track command usage

EDUCATION

HBSc in Computer Science, Minor in Software Engineering, Western University *April 2021*