

# Supriya Mutharasan

FEDERAL GOV. IT-01 · BUSINESS ANALYST AND POWERAPPS DEVELOPER

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## Summary

Passionate full stack web developer with a focus on code-driven storytelling and conveying narratives about corporate app transformations and societal well-being. Proficient in developing and deploying cloud-based web applications to solve complex problems, engage users with captivating experiences, and drive business performance.

Deployed a 200+ term Glossary report in Power BI, empowering employees under Linux Centralized Services department under Shared Services Canada to understand corporate applications and business processes used there better. Skilled in leveraging cloud services for business driven performance in e-commerce, file management, and social media applications.

Strong advocate for women and the visually impaired in tech. Prefers a command line interface environment as a big fan of Vim, Linux, and macOS. Always trying to customize to find the most optimal environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools.

## Skills

<b>DevOps</b>	AWS, Docker, Kubernetes, Rancher, Vagrant, Packer, Terraform, Jenkins, CircleCI
<b>Back-end</b>	Postgres, Firebase, MongoDB, firebase, AWS cognito, Express, Django, REST API
<b>Front-end, Mobile Development &amp; Dev. Tools</b>	Hugo, Angular, React, HTML5, LESS, SASS
<b>Programming</b>	Node.js, Python, JAVA, C, C#, Javascript, C++
<b>Languages</b>	Korean, English, Japanese

## Work Experience

### Shared Services Canada (SSC)

Ottawa, Canada (Remote)

POWERAPPS AND POWERBI DEVELOPER AND TECHNICAL SUPPORT ANALYST

Jan. 2023 - Present

- Developed over 10 UML class diagrams for the Business Request Tracker as part of the Division Integration Initiative, enhancing collaboration across multiple teams and client executives by supporting the development of a centralized service delivery system.
- Produced 20 bilingual software training videos in two months, onboarding dozens of client executives and Linux/Unix administration teams to the new centralized system, resulting in improved communication and service delivery efficiency.
- Implemented a Power Automate script to manage over 250 new business requests monthly by categorizing emails using hash tables based on subject lines, streamlining the centralized intake process and significantly reducing human error.
- Developed and maintained a Glossary PowerBI report displaying over 200 definitions, examples, and business codes, enhancing data accessibility in the knowledge management solution.
- Quality tested and resolved bugs on the PowerApps Business Request Tracker web application under tight deadlines, ensuring full application accessibility and functionality in adherence to WCAG standards.

### Toronto District School Board (TDSB)

Toronto, Ontario

DOTNETNUKE C# WEB DEVELOPER

May 2022 - Dec. 2023

- Enhanced the public-facing website's AODA compliance by using website crawlers like SiteImprove and custom scripts to scan HTML attributes, improving accessibility across the board's online presence.
- Improved user navigation and experience by enhancing the sports event web application, introducing filters to sort events by gender and type (e.g., boys' basketball, girls' swimming).
- Remediated and quality-tested over 100 web pages, 50 school websites, and 20 web modules under time pressure, ensuring AODA compliance by adhering to WCAG standards.
- Consulted with over 20 school principals and marketing officers to design and update public site webpages and school sites, improving website design and content.
- Deployed and tested the staff login page used across the entire school board under a tight deadline, delivering critical functionality.

## Projects

### MyFileBackPack (Home Lab)

JUNIOR CLOUD DEVELOPER

- Developed a scalable microservice API for handling text and image fragments, integrating authentication and authorization mechanisms using AWS Cognito and IAM, ensuring compliance with security standards.
- Implemented high-availability data storage solutions with AWS DynamoDB and S3, optimizing performance by designing efficient data models and access patterns, which reduced latency by 30%.
- Deployed and managed the application using AWS ECS and Elastic Beanstalk, achieving efficient container orchestration and seamless integration with AWS services via the AWS SDK.

## Danggeun Pay Inc. (KarrotPay)

Seoul, S.Korea

SITE RELIABILITY ENGINEER & INFRASTRUCTURE TEAM LEAD

Mar. 2021 - Present

- Everything that matters.
- Designed and provisioned the entire infrastructure on the AWS cloud to meet security compliance and acquire a business license for financial services in Korea.
- Continuously improved the infrastructure architecture since launching the service. (currently 3.6 million users)

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## Certificates & Awards

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- 2023 **AWS Certified Developer Associate**, Amazon Web Services (AWS)
- 2024 **PantryPal Web App Hosted on Azure - Hackathon Winner**, OntarioTech University - Hackhive with Microsoft Azure Services
- 2022 **AWS Certified Cloud Practitioner - Foundation**, Amazon Web Services (AWS)
- 2018 **Inclusify Chrome Web Extension - Hackathon Finalist**, University of Waterloo - Equithon

## Education

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### OTU (OntarioTech University)

Ontario, Canada

B.S. IN COMPUTER SCIENCE

- Got a President Scholarship which is given to promising students in Faculty of Science.

### Seneca (Seneca Polytechnic College)

Ontario, Canada

ADVANCED DIPLOMA IN COMPUTER PROGRAMMING AND ANALYSIS

- Did a full stack web application capstone project with a team of 4 for 8 months.

### STRCHS (St. Robert Catholic High School)

Ontario, Canada

ONTARIO SECONDARY SCHOOL DIPLOMA

- Peer tutored 15+ students for 2 years in Science, Math and Tamil.