

Shkula Wardak

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Education **University of Ottawa // Bachelor of Computer Science (Honours)** Sep. 2018 – Apr. 2023

Experience **Amazon // Software Development Engineer Intern** May 2022 – Jul. 2022

- Optimized structure of an internal workflow design tool in **TypeScript**, reducing user design time by 45% on average and significantly decreasing manual error risk
- Implemented form input-sharing feature in **JavaScript** using **AngularJS**, saving associates 5 minutes per grouped customer issue on average
- Improved upon existing workflow structure with **AngularJS** by adding parallel form input functionality to 35 new workflows on customer support platform used by 30K+ associates

Vidyard // Software Engineering Intern Jan. 2022 – Apr. 2022

- Replaced **REST** with **GraphQL** mutations in video application, speeding up query time by 75%
- Improved upon newly introduced multi-tenet developer playground by creating both developer and optimized **Kubernetes** microservice deployment specs for 5 repositories
- Reduced memory utilization by 50% across **Kubernetes** developer environment containers
- Overhauled repository by converting build system to **GitHub Actions**, updating deployment infrastructure to **Shipit**, addressing security issues & adding deployment tracking

Zendesk // Software Engineering Intern Sep. 2021 – Dec. 2021

- Automated the scaling up & down of **AWS Aurora** database clusters using **Boto3** & **Python**, reducing manual execution time by 80% and preventing human error
- Implemented performance monitoring on an internal tool for **GraphQL** API requests with the **Django** framework using **Datadog APM**, decreasing incident response time by 50%

Ribbon Communications // Software Engineering Intern Jan. 2021 - Apr. 2021

- Created an upload feature in **Angular** using **TypeScript**, **HTML**, **CSS** that parsed CSV files & inserted data into an input, facilitating customers' upload of large amounts of data
- Debugged 50+ logic & styling issues in-app, and established form validation on 20+ form inputs

Health Canada // Junior Technical Analyst Jun. 2020 - Aug. 2020

- Implemented SMTP mailer from IT site's feedback form using **PHP** and **JavaScript**
- Developed web content for the IT Services site with **HTML**, **CSS**, and **JavaScript**

Leadership **Project Tech Conferences // Workshops Lead** Mar. 2020 - Present

- Led a team in the creation of 10+ workshop events presented to 300+ secondary school students on topics in the tech industry such as web development, UI/UX, cybersecurity, ML, and project management, targeting underrepresented communities in technology

Technovation // Technical Mentor Jan. 2020 - May 2022

- Mentored 15+ girls aged 12-16 over three years in solving UN Sustainable Development goals through the creation of 3 Android mobile applications, written using Java and Thunkable

Skills	Languages	Python, Typescript, JavaScript, Java, HTML, CSS, SQL
	Technologies	Node.js, Angular, Kubernetes, Docker, GraphQL, PostgreSQL
	Tools	AWS RDS, GitHub Actions, Terraform, Git, CircleCI