

Maxim Melkonian

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Experience

TrueContext (formerly ProntoForms)

Cloud Infrastructure Engineer

AWS **Bash** **Python** **Linux** **PowerShell**

Ottawa, ON

Mar. 2022 - Aug. 2023

- Re-architected *legacy* cloud infrastructure, hosting third-party software, to reduce future maintenance windows from 1hr to 5min
- Planned & executed a successful major version upgrade of an enterprise-tier, production **AWS RDS** MySQL database using **AWS DMS**
- Architected a compliance monitoring workload to integrate with **Slack** and **GitOps** workflows using **AWS Lambda**, **DynamoDB**, **IAM**, and **ECS**
- Extended an **Amazon Machine Image (AMI)** builder workflow to publish **Git** pull requests, following the creation of new images, using **AWS EventBridge**, **Systems Manager**, **CloudFormation**, and **Lambda**
- Integrated an **NGINX** reverse proxy within the form rendering infrastructure to load balance and monitor ingress traffic
- Developed numerous **BASH** and **PowerShell** scripts to automate cloud deployments and maintain existing infrastructure

Kinaxis

Ottawa, ON

DevOps Intern

C# **.NET** **Jenkins** **Groovy** **Powershell** **Bash** **Golang**

May 2021 - Sept. 2021

- Developed CI/CD Jenkins pipelines that ran regression tests and published build artifacts to **Artifactory**
- Built internal **PowerShell** modules to automate complex **Kubernetes** authentication & dependency management processes
- Built internal **.NET** tooling to automate various information retrieval processes relating to internal products, using **SOAP** & **HTTP**
- Refactored *legacy* **.NET** tooling to decouple architecture; added integration testing to promote *maintainability*
- Enhanced **Golang** CLI tooling to integrate low-level **Linux** & **Windows** credential management interfaces

DevOps Intern

Jenkins **Groovy** **Powershell** **Bash** **Ansible** **Python**

May 2020 - Sept. 2020

- Automated **Azure** VM package deployment procedures using **Ansible**, to reduce provisioning time from 1hr to 12min
- Integrated & built Jenkins pipelines using custom **Groovy** shared libraries
- Developed custom **Ansible** DSL playbooks, **PowerShell** modules, and **Python** libraries to automate development workflows

Trading Central

Ottawa, ON

Frontend Web Developer Intern

AngularJS **CSS** **TypeScript** **JavaScript** **D3.js** **Webpack**

Sept. 2019 - Jan. 2020

- Built responsive **Angular** components & services within enterprise n-tier web applications
- Developed complex histograms & radar chart data visualizations using **D3.js**
- Developed custom **Angular** pipes & directives using reusable cross-project abstractions
- Refactored frontend architecture to simplify component interactions and reduce load time latency

Backend Web Developer Intern

Java **Spring** **Hibernate** **JPA** **SQL** **AngularJS**

Jan. 2019 - May 2019

- Optimized a **Stock Insights** microservice to reduce response time from 4600ms to 300ms
- Developed **RESTful Java** APIs using the **Spring** and **Jersey** frameworks
- Built reliable & performant **SQL** queries, indexes, and views to optimize for complex CRUD operations
- Integrated internal microservice APIs into **Angular** frontends using optimized services to handle **OAuth2** token lifecycle management

Skills

Languages: Python, BASH, PowerShell, Java, Groovy, JavaScript, TypeScript, SQL

Technologies: AWS, Linux, Windows, Docker, Ansible, Jenkins, MySQL, NGINX, Redis, Git

Education

University of Ottawa

Ottawa, ON

B.Sc Software Engineering (CGPA: 9.55/10) – Summa Cum Laude

Sept. 2017 - Dec. 2021

AWS Certified Solutions Architect – Professional

Nov. 2023 - Nov. 2026

SAP-C02 (Score: 873/1000)

AWS Certified DevOps Engineer – Professional

Jan. 2025 - Jan. 2028

DOP-C02 (Score: 837/1000)