

Marc Berthelette

Senior Platform / DevOps Engineer

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Bilingual: French (native) · English (fluent) · Available immediately

Professional Summary

Senior DevOps engineer with nearly 18 years across infrastructure, software development, and production operations. Standardized delivery for 12 teams and 70+ applications at Énergir and built automated platform validation at Desjardins. Brings Azure, infrastructure automation, and internal tooling experience in energy and financial services, with a focus on making deployments dependable and reducing manual work for engineering teams.

Technical Skills

Cloud & Infrastructure: Microsoft Azure, AWS (EC2, S3, Route 53, VPC), Terraform/Ansible workflows, Linux, Puppet

CI/CD & Platforms: Azure DevOps, GitHub Actions, Jenkins, JFrog Artifactory

Containers & Delivery: Kubernetes application deployments, Docker, ArgoCD

Monitoring & Observability: Dynatrace, Splunk, Elasticsearch, Logstash, Kibana

Programming & Scripting: Python, FastAPI, Bash, Java, C++, SQL

Work Experience

Énergir — Senior DevOps Engineer

Montréal, QC | September 2021 – September 2026

- Centralized Jenkins continuous integration and delivery (CI/CD) for approximately 50 developers across 12 teams and 70+ applications, enforcing shared stages and mandatory SonarQube checks.
- Rebuilt Salesforce delivery using Salesforce CLI and sandbox validation of candidate merges; reduced recurring missed deployment windows to one miss since launch.
- Automated Oracle releases, removing the need for a weekly approved emergency-access account for routine deployments; added tests catching recurring file-encoding issues.
- Versioned ArcGIS map services and properties; delivered service-account deployments to dev, test, and production, replacing deployments from developers' laptops.
- Helped a team move team-owned Nexus, Jenkins, and Vault environments from manual Azure portal operations to Infrastructure as Code, using another team's Terraform and Ansible workflows; later introduced Azure Key Vault in place of HashiCorp Vault.
- Reduced MuleSoft production releases from a 15-step manual checklist to a few Jenkins jobs.
- Created the delivery roadmap as informal primary owner for the first three years; onboarded developers and DevOps engineers and served as their primary support contact.

Key technologies: Azure, Jenkins, SonarQube, Terraform, Ansible, Nexus, Salesforce CLI, Oracle, MuleSoft, ArcGIS

Desjardins — Senior DevOps Engineer (Contract)

Montréal, QC (Remote) | October 2025 – March 2026

Concurrent contract alongside the Énergir engagement.

- Built a Python/FastAPI service testing approximately 250 JFrog Artifactory remote repositories every four hours, publishing results to Dynatrace across seven package ecosystems.
- Made validation logic reusable and test cases configurable; the harness also supported regression testing for the enterprise Artifactory upgrade.
- Automated on-demand Artifactory environments using Kubernetes and ArgoCD so administrators could test configuration changes and upgrades safely.
- Implemented artifact retention policies and Splunk alerts for configuration changes made outside CI/CD, improving platform governance and auditability.

Key technologies: Python, FastAPI, JFrog Artifactory, Kubernetes, ArgoCD, GitHub Actions, Dynatrace, Splunk

Tink — DevOps Engineer

Montréal, QC | January 2018 – August 2021

- Centralized Jenkins Pipeline as Code for 10–15 developers supporting 80+ applications and 20+ clients, standardizing delivery steps and adding release visibility through Jira.
- Automated OS patching and kernel reboots across 600+ servers, reducing maintenance to a monthly verification check; managed configuration with Puppet and Spacewalk.
- Built a fleet software inventory platform exposing application versions, vulnerability exposure, end-of-life software, and TLS certificate assessments to product owners.
- Supported a 24/7 production on-call rotation; built ELK log aggregation and automated restart of an unresponsive Elasticsearch cluster to reduce manual intervention.
- Built a client's AWS migration target environment over about six months (EC2, S3, Route 53, VPC, memcached on EC2, serverless relational database), provisioned by hand with no prior AWS experience; the client cancelled the migration before cutover.

Key technologies: Jenkins, Linux, Puppet, Spacewalk, AWS, Bash, Elasticsearch, Logstash, Kibana, PRTG, Jira

SOVO Technologies — Lead Technician → Software Engineer

Montréal, QC | November 2008 – December 2017

- Managed company IT infrastructure and a technician team; delivered a server relocation without downtime and added redundancy to core servers.
- Developed production scheduling, voice-recognition evaluation, and multilingual dictionary software; served as the final quality gate before production releases.

Key technologies: C++, Java, SQL, Linux, Windows Server, Active Directory, VMware vSphere, Cisco networking

Education

Bachelor of Automated Manufacturing Engineering — École de Technologie Supérieure (ÉTS), Montréal, QC | 2005 – 2016

DCS in Computer Science Technology — Cégep André-Laurendeau, Montréal, QC | 2002 – 2005