Pierre-Stéphane Voltaire

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Summary

Senior DevOps Engineer with 7 years of experience working with Infrastructure as code, container-based build infrastructures, continuous integration/continuous deployment, and application development.
Has hands on experience with AWS and currently learning Azure.

Experience

Senior Platform Engineer, Mitsubishi UFJ Financial Group Investor Service – Toronto, ON   Mar 2021 – Present

- Developed a FastAPI (Python) GitLab backup solution that protects $\sim$ 1000 repositories against extended outages and accidental deletions, with deployment handled through ArgoCD and Kustomize for flexible environment configuration.
- Automated EKS upgrades for 20+ clusters using GitLab CI and Terraform, eliminating manual work and reducing $6K/month in extended support costs.
- Reduced production deployment time by 94% by building CI/CD pipelines using GitLab CI, CodeDeploy, and custom Python, Bash, and Powershell scripts.
- Developed secure and efficient processes and tools for managing secrets and injecting application configurations using Jenkins and Lambda functions in Python and Node.js.
- Provisioned new cloud environments for greenfield applications using a variety of IaC tools, including CloudFormation, Terraform, and AWS CDK.
- Enhanced monitoring capabilities by integrating Datadog APM across cloud-native applications, improving visibility into performance issues, and accelerating troubleshooting.

FullStack Developer, Airborne App – Oakville, ON   Aug 2020 – Mar 2021

- Developed features on existing Golang services that interact with multiple AWS services
- Developed CI pipelines leveraging GitHub Actions and Terraform to automatically lint, execute unit and integration tests for incoming pull requests, and reduce the introduction of bugs in production
- Developed an ephemeral testing environment pipeline using GitHub actions, terraform and S3, accelerating frontend validation processes and streamlining collaboration between developers, product owners, and designers within 6 months

FullStack Developer, EllisDon – Mississauga, ON   May 2019 – Apr 2020

- Developed and maintained services using ReactJS, Spring Boot (Java), Express (Node.js), NestJS (TypeScript), and MongoDB. Ensured seamless feature integration, bug resolution, and codebase enhancements for improved maintainability.
- Optimized project maintainability through automated CI pipelines for unit testing and code linting

Skills

Languages and Frameworks: Java, TypeScript, JavaScript, Golang, Python, Bash, Powershell,Sql, Spring Boot, Flask, Gin, Vue.js, Angular, ReactJS

Infrastructure, Monitoring & CI/CD: Terraform, Terragrunt, AWS CDK, Cloudformation,CodeDeploy, CodePipeline, CodeBuild, CircleCI, GitHub Actions, Jenkins, GitLab CI, ArgoCD, Datadog, Vault

Containerization & Orchestration: Docker, Podman, Docker Compose, Helm, ECS, Fargate, Kubernetes

Education

Sheridan College, Bachelor of Computer Science - Mobile Computing   Sept 2016 – Apr 2020
Sheridan College, Computer Systems Technician – Software Engineering   Sept 2014 – Aug 2016