

# Henri Vandersleyen

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Fr, En, 中文

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## Experience

**DevOps Engineer**

**2023 - Present Operto**

- Proficient in Linux, Terraform, GitHub Actions, DevOps and GitOps patterns
- Used Terraform to declaratively import and configure AWS Cloud
- Pursued the AWS Solution Architect certification
- Conducted security audit on out cloud infrastructure
- Consolidated AWS Resources and accounts for cost-saving measures
- Migrated legacy infrastructure and deployments in AWS

**DevOps Engineer**

**2022 - 2023 Atreides**

- Managed company's AWS, Azure, Gitlab, ArgoCD
- Demonstrated proficiency in Linux, Terraform, Kubernetes, Helm, and DevOps and GitOps patterns
- Proactively automated areas that are susceptible to human error
- Prioritized security and addressed potential vulnerabilities when building new services
- Fostered team spirit and resilience
- Developed CI/CD GitLab pipelines for testing, server management, releases, and more
- Packaged Atreides microservices into Helm charts for SaaS;
- Created custom Kubernetes deployment for our microservices.

**Fullstack Software Developer**

**2021 - 2022 Aviary Tech**

- Developed a blockchain miner using the Command and Query Responsibility Segregation (CQRS) pattern using NestJS
- Established GitHub pipelines and workflows, and applied Test-Driven Development (TDD) using Jest and Cypress
- Mentored non-developers in JavaScript and the Svelte framework
- Created smart UI/UX that engages the user

## **Lt(N) Marine Engineering Officer 2007 - 2020 Royal Canadian Navy**

- Retired as a Marine System Engineering Officer, providing technical advice and recommendations to non-technical superiors during operations, emergencies, and wartime scenarios
- Served as deputy program manager at the naval maintenance facility, advising ship captains on repair needs and priorities
- Counseled and mentored junior peers for success in board examinations and at-sea operations
- Held Charge of ship operations while in port ensuring crew safety

## **Projects**

### **Professional Website**

Created a sveltekit dockerized app running in a kubernetes self-hosted environment using Kubernetes, dns, argocd and gh actions for continuous integration and deployment.

### **Vancycles industries**

Fullstack React application to buy, sell, and service 3d printers, cnc machine, lathes, etc. Self hosted on Linode, uses Kubernetes, supabase, resend, dns, stripe.

## **Education**

### **Data Science Diploma 2020 Lighthouse lab**

Completed an intensive program in data science, gaining expertise in statistical analysis, machine learning, and data visualization. Developed skills in Python and SQL, and applied them to real-world projects in areas such as predictive modeling, natural language processing, and recommendation systems.

### **B.Sc. Electrical Engineering 2008 - 2012 Royal Military College Canada**

Earned a degree in electrical engineering, with a focus on signal processing, control systems, and power generation. Gained hands-on experience through lab work and projects, and developed strong analytical and problem-solving skills. Received training in leadership, teamwork, and communication, as well as military training and physical fitness.