Vincent Bureau

Computer science student · Available for a summer 2027 internship

Sherbrooke, QC, Canada info@vincentbureau.dev vincentbureau.dev GitHub LinkedIn

SKILLS

Programming TypeScript, JavaScript, C#, SQL, Python, Bash, Ruby, C++

Web and data React, Next.js, NestJS, .NET Core, Tailwind CSS, PostgreSQL, SQLite

Cloud and DevOps AWS, Azure, Terraform, Docker, GitHub Actions, Proxmox VE, Linux

Security and networking Traefik, CrowdSec, Authelia, Cloudflare Zero Trust, Burp Suite

Languages French (native), English (professional)

EXPERIENCE

Azimut Lab — Quebec City, QC (remote)

Application Security & Full-Stack Developer Intern — September 2026 – December 2026

- Run manual penetration tests with Burp Suite and verify automated scan findings (CodeRabbit)
- Triage confirmed flaws by severity and patch them across the React/Next.js, NestJS, .NET Core and SQL codebase
- Full-stack development on the same stack (PostgreSQL, Azure, Terraform, GitHub Actions)

Full-Stack Developer Intern — August 2025 – May 2026

- Built the React/Next.js frontend and NestJS and .NET Core APIs on PostgreSQL (TypeORM, Entity Framework)
- Defined the Azure infrastructure in Terraform and automated CI/CD with GitHub Actions and Docker
- Wrote unit and integration tests (.NET, Jest), reviewed code and managed releases (SemVer)

Escaparium de l'Énergie — Shawinigan, QC

Full-Stack and Embedded Developer — October 2023 – July 2025

- Built the Ruby/Sinatra applications and HTML/Bootstrap interfaces used by staff, on SQLite
- Wrote C++ firmware for the ESP32 game modules (ESP-NOW) on an IoT network isolated from staff

EDUCATION

Université de Sherbrooke — Bachelor's degree

Computer science, cybersecurity stream — Sherbrooke, QC • August 2025 – August 2028 (expected)

Cégep de Shawinigan — Diploma of College Studies (DEC)

Computer Science Technology — Shawinigan, QC • August 2021 – July 2025

Cégep de Shawinigan — Attestation of College Studies (AEC)

Blockchain for Programmers — Shawinigan, QC • May 2024 – April 2025

PROJECTS

Northwatch – serverless on AWS — Since October 2026

Stock dashboard on a serverless AWS stack: scheduled Lambda, DynamoDB and CloudFront, defined in AWS CDK with automated tests and CloudWatch alarms.

Homelab – infrastructure and security — Since 2023

Self-hosted production stack on Debian: Traefik (wildcard TLS), Authelia SSO with TOTP, CrowdSec WAF and Varnish cache on isolated Docker networks. Grafana/Netdata monitoring, encrypted off-site backups; Proxmox VE and Ceph test bench.

COMMUNITY INVOLVEMENT

JDIS – Université de Sherbrooke — Since May 2026

VP Technology — the group's digital tools and the JDIS Games 2026 infrastructure behind Cloudflare Zero Trust, used live by about 100 students.