Antoine Poulin

Software Developer | DevOps, CI/CD & Linux automation

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WORK EXPERIENCE

Algo Design

Software Developer, Automation & Internal Tooling — September 2024 – Present

- Built a cross-platform Avalonia app and CLI used by ~20 developers to manage local databases, backups, and updates, and launch the app with the correct version and database. Saves an estimated 20–60 hours per week.
- Automated builds and distribution with GitHub Actions through an internal package feed.
- Developed a cross-platform C#/.NET MCP server for SQL Anywhere 17. Enables AI assistants to inspect database schemas and procedures, search SQL code, and run read-only queries. Published on NuGet with CI-built cross-platform releases.

Trévi

Software Developer, Internal Tools & Automation — January 2024 – September 2024

- Built and maintained Azure DevOps pipelines to build and release products to every environment.
- Replaced ZPL printing software with an in-house solution. Saved approximately $25,000 per year.
- Built a web app that turns PowerShell scripts into forms with input validation and contextual help.

Bell Helicopter

Software Developer, Automation & Integration — September 2022 – January 2024

- Automated software deployments, cutting software install and update tickets from 4 days to 15 minutes. Developed .NET applications for shipment tracking.

Bitumar

IT Technician, Systems & Infrastructure (part-time) — May 2018 – September 2022

- Administered Windows and Linux servers, provided IT support, and automated maintenance.

EDUCATION

Concordia University – Bachelor of Science in Computer Science

Collège Lionel-Groulx – DEC in Computer Science and Mathematics

PROJECTS

OpenLabel

- Created an open-source C# library for ZPL printing. Includes network printing, DPI scaling, and conditional templates. Reached ~96 GitHub stars and 3,200 NuGet downloads.

Sobarch

- Built a custom Arch Linux distribution with its own installer and monthly signed ISOs built by GitHub Actions. Integrated BTRFS/Snapper recovery into the Limine boot menu.

SKILLS

- Development: C#, PowerShell, Bash, Python, TypeScript, .NET, Avalonia, Blazor
- DevOps & CI/CD: GitHub Actions, GitLab CI, Azure DevOps, Docker, Git
- Linux & Infrastructure: Linux (Arch, Debian, Ubuntu), systemd, BTRFS, nftables, Networking
- Databases: SQL Server, SQL Anywhere, MySQL, SQLite
- Languages: French (native), English (bilingual)