

Attila Molnár

Mainframe z/OS System Programmer in hybrid cloud environments

10+ years in mainframe automation | Hungary

attilamolnar.dev

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PROFILE

I work mostly with automation, and my approach is to "automate everything that can be automated". When the right tool does not exist yet, I build it. When an existing tool does not quite fit, I improve it.

In the enterprise world, my main platform is mainframe z/OS. I work on infrastructure automation and monitoring, and connect z/OS with the rest of IT, such as Azure DevOps and ServiceNow.

Outside of the enterprise, I have run Linux services (Debian, NixOS) for small teams for several years: Git forges, CI/CD pipelines, authentication, networking and more.

Because I work in both worlds, I like to bring modern practices to the mainframe. I encourage people to use newer technologies such as Python, Git, VS Code or Ansible with z/OS where they make sense. I already use them in my own work, and they make it faster and more reliable.

I work on the planning as well as the delivery. I lead brainstorming sessions to find the best-fitting solution, then work out how to implement and integrate it.

EXPERIENCE

Senior Lead, System Administration | Kyndryl Hungary

2023 Sep – Present (3 yrs 2 mos)

I support and develop automation for ABN AMRO Bank through Kyndryl Hungary. My focus is still automation, but it now covers business applications as well as infrastructure.

I work with Kyndryl teams in Hungary, the Netherlands and India, and directly with the customer, to build well-integrated end-to-end solutions.

- Support IBM Z System Automation and NetView, with hundreds of automation solutions written in Rexx.
- Provide basic support for z/OS Connect, WebSphere Liberty, Java/Semeru, Python for z/OS, Z Open Automation Utilities and Open Enterprise Foundation.
- Work with the IMS, Db2, MQ, z/OS, Storage, RACF, hardware and network teams, and with the customer's SMEs, so solutions fit the customer's environment.
- Built a fully automated mainframe CyberVault workflow from scratch, cutting preparation time from 3 workdays to 2 hours.
- Modernize mainframe alerting together with the ServiceNow teams.

System Programmer for z/OS Automation | Kyndryl Hungary

2021 Sep – 2023 Sep (2 yrs 1 mo)

At Kyndryl, I continued supporting mainframe automation for the same customers in the Nordics and Western Europe.

My scope grew beyond automation into infrastructure projects.

- Took part in infrastructure projects: z/OS and MVS changes, LPAR provisioning and storage automation.
- Built a panel-based 3270 application that fully automates the maintenance of the automation products.
- Continued product maintenance and Rexx automation development.

System Programmer for z/OS Automation | IBM

2016 Jun – 2021 Sep (5 yrs 4 mos)

I supported mainframe automation products for customers in Finland, Denmark, Sweden, the Netherlands,

Switzerland, Belgium and Germany.

- Maintained several automation products across multiple customer environments.
- Wrote hundreds of Rexx automation solutions for real operational problems.
- Migrated customers from CA OPS/MVS to IBM Z System Automation and NetView.

[Earlier roles: attilamolnar.dev/experience](https://attilamolnar.dev/experience)

PROJECTS

Mainframe z/OS CyberVault automation

A fully automated, NetView panel-based solution that brings up z/OS systems in an isolated CyberVault environment without human intervention.

Automated product maintenance on mainframe z/OS

Fully automated verification of every IBM Z System Automation and NetView component in use.

Self-hosted Git environment with CI and monitoring

A self-hosted Forgejo platform with CI built from my own plugins, automated security scanning and dependency updates, full monitoring and hardened edge security, running on NixOS servers provisioned with OpenTofu.

code.thinkaboutit.tech/pandora

Podman Quadlet language server

A language server for Podman Quadlet files, with integrations for VS Code, Neovim and Zed.

github.com/onlyati/quadlet-lsp

EDUCATION

- BSc, Mechatronics Engineer, Széchenyi István University (2011 Sep – 2016 Jun)

SKILLS

Mainframe

IBM Z System Automation (expert), IBM Z NetView (expert), z/OS (advanced), IBM GDPS (advanced), 3270 panel development (advanced), Runtimes and SDKs (advanced), IBM RACF (advanced), CA/Broadcom OPS/MVS (intermediate), Storage (intermediate), IBM Db2 (beginner), IBM IMS (beginner), IBM MQ (beginner), IBM z/OS Connect (beginner)

Languages

Rexx (expert), JCL (expert), Go (advanced), Bash (advanced), Python (advanced), Lua (advanced), Rust (intermediate), C# (intermediate), TypeScript (beginner)

Platform and DevOps

Podman/Docker (expert), Linux (advanced), Woodpecker CI (advanced), Nix / NixOS (intermediate), Ansible (intermediate), OpenTofu / Terraform (beginner), Kubernetes (beginner)

Programming tools

Neovim (advanced), VS Code (advanced), Go tooling and CLI utilities (advanced), Linux utilities (advanced), Claude Code (intermediate)

Ways of working

Solution design (advanced), Technical documentation (advanced), Research and technical analysis (advanced)

LANGUAGES

Hungarian (Native), English (Professional)

WORK PREFERENCES

Remote-first or hybrid work, Mainframe z/OS environments in hybrid cloud, Small teams with end-to-end ownership