Robin Thoni

📱 +33 6 34 39 52 26
📱 +1 (424) 242-5068
✉ robin@rthoni.com
⌚ git.rthoni.com/robin.thoni
⌚ robin-thoni

Infrastructure and Automation lover.

Cursus

2016 / 2017
International IT Master, *UQAC*, 🇨🇦, Canadian University

2012 / 2017
Computer Science Student, *EPITA*, 🇫🇷, French Engineering School

Experiences

2022
Infrastruture Engineer Contractor, *iKe*, 🇱🇺, BGL / Groupe BNP Paribas
- Converted already manually deployed server applications to Docker
- Automation of server applications deployment with Jenkins, Docker, CA Release Automation, AWX, Ansible, Rancher
- Packaged and automated the deployment of a full Core Banking software to replace the existing mainframe

2020 / 2021
Infrastruture Engineer, *NVIDIA*, 🇬🇧 / 🇩🇪, CUDA devtools team
- Maintained devtools' build infrastructure: upgraded >10 years old toolchains, improved existing codebase to fix new compiler warnings/errors, created container-based build environment, added new and improved existing automations with Jenkins, etc

2018 / 2020
Software Engineer, *NVIDIA*, 🇬🇧, CUDA devtools team
- Led the design and implementation of a GPU code coverage tool: generate code coverage reports for kernels written in assembly for internal automotive usage
- Led the design and implementation of a GPU thread-array diversity measurement tool: generate reports on how thread-arrays are dispatched on physical GPU cores to detect hardware errors for internal automotive usage

2016
Infrastructure Engineer, *Betaclean*, 🇫🇷
- Setup physical network (ISP / routers / ethernet / Wi-Fi)
- Development of internal intranet web app
- Deployment/management of security systems (password manager / CA / firewall)
- Deployment/management of Active Directory
- Automation of infrastructure deployment
- Deployment/management of mail server (Postfix / Dovecot)
- Deployment/management of DNS authoritative server (internal / external) and DHCP server
- Deployment/management of VPN server (OpenVPN / Wireguard)
- Deployment/management of physical security systems (CCTV / access control / alarm)

2017
Final Internship, *NVIDIA*, 🇺🇸, CUDA devtools team
- Added 'initcheck' support for cuda-memcheck: devtool to check for read-before-write on the GPU
- Optimized Nsight Compute kernel replay feature: restore memory on the GPU only if it has been modified by the profiled kernel

Skills

Languages	C; C++; Python; C#; Java; Bash; PostgreSQL;
Frameworks	AngularJS; Android SDK; Qt; ASP.NET Core;
Infrastructure	Docker/docker-compose; SaltStack; Terraform; E-mail servers; Roundcube webmail; DNS servers, OAuth2/SAML SSO; Iptables firewall; Zabbix monitoring; Step-ca;

Miscellaneous

Languages

French	Native.
English	Fluent / TOEIC 910.