RADU CERNATESCU

Maple, ON | (647) 268-6833 | raducernatescu@yahoo.ca | www.linkedin.com/in/raducernatescu | www.triaz.dev

OBJECTIVE
Seeking to obtain a challenging position to apply my knowledge gained, while enabling an opportunity to make a positive contribution to your organization.

PROFILE
- Highly organized, detail oriented, and client driven with excellent communication skills
- Strong analytical and problem-solving skills
- Great time management, sense of urgency to set priorities
- Conscientious and able to work diligently on my own initiative
- Strong initiative and ability to manage multiple projects and adapt to various situations while working under pressure and in fast paced environments in dynamic, agile team environments
- Previous experience working in a startup environment

TECHNICAL SKILLS

PROGRAMMING LANGUAGES	C, C++, Java, Python
DATABASE MANAGEMENT	MongoDB, MS SQL Server
DESIGN AND IDE TOOLS	MS Visual Studio & VS Code, Eclipse, IntelliJ IDEA, Android Studio
OPERATING SYSTEMS	Windows, Linux, UNIX
WEB DEVELOPMENT	JavaScript (incl. NodeJS, ExpressJS), HTML5, CSS3, JSON, XML
OTHER	Git, Software Development Lifecycle, Agile, JIRA, Selenium, Jenkins, Bash & PowerShell scripting, Azure

EDUCATION
Microsoft Certified: Azure Administrator Associate (AZ-104)   **August 2022**

Honours Bachelor of Technology in Software Development   **Sept 2018 - Present**
Cumulative GPA: 3.6/4.0 | Program GPA: 3.8/4.0
President's Honour List
Seneca College, Toronto

RELATED EXPERIENCE
Automation/Developer Co-Op | Government of Ontario   **May 2022 – September 2022**
Ministry of Public and Business Service Delivery – Data Center Operations – Systems Officer 2
- Implementation of automation scripts within Azure environment including runbooks/scripts written in PowerShell & Bash.
- Extracting telemetry data from resources deployed in the cloud and storing in a database with an appropriate schema for use in PowerBI reporting.
- Documentation of all automation workflows in AzureDevOps Wiki.
- Troubleshoot & implement solutions to ensure patching compliance in Azure VMs.
- Communicate & work with clients to implement cost-saving solutions and convey knowledge about cloud environments.

Junior Developer Intern | Newtopia Health Inc   **May 2018 – Dec 2018**

- Mobile test automation using Java (TestNG), integrated with the Selenium WebDriver, involving Continuous Integration with Jenkins and cloud-based services (BrowserStack)
- Built relationships with key stakeholders to establish acceptance criteria for any planned work
- Worked with Git (Bitbucket) in collaborative teams
- Used Salesforce to set-up test environment/user profiles
- Gained experience with functional & regression testing
- Use of REST APIs for test results
- Worked with Atlassian's web applications such as Confluence for documentation, and JIRA for bug/issue tracking

TECHNICAL PROJECTS
Self-Hosting – Cloud | Linux
- Portfolio website – Nginx | JavaScript | HTML & CSS
- E-mail server, reachable at radu@triaz.dev – Dovecot | Postfix | OpenDKIM & OpenDMARC
- Recursive, caching DNS (Unbound) & DHCP servers
- Client-to-Site OpenVPN - allowing secure connection to home network from anywhere
- JavaScript-free private Reddit front-end (reddit.triaz.dev)

QEMU Kernel Virtual Machine with GPU Passthrough – Linux | Bash scripting
- Used Arch Linux as host and Windows 11 Pro as guest configured using libvirt
- Learned about initial ramdisk (mkinitcpio), GRUB bootloader, IOMMU & IOMMU Groups
- Pinned CPU cores for exclusive VM access, set frequency governor to performance profile and successfully passed through a consumer grade GTX 1070 Ti
- Programmed scripts for attaching/detaching peripherals with key bindings, and re-binding the GPU

Forex Android Application – Java | Android
- A simple 3 page Android app that allows conversion between currencies, historical conversion and to get the latest business news.
- Implemented using appropriate Android design principles (services, DAOs)
- Calls several APIs (frankfurter.app, newsapi.org)
- Conversions can be saved to a persistent database