Jonny Miller

Software Developer

✉ jonnymiller@gmail.com

📞 (506) 852-1067

📍 Moncton, NB, Canada

ℹ About

Results-driven full-stack developer with 19 years experience in all aspects of software development. Expertise in writing robust, testable code with an emphasis on readability. Designed numerous software systems from data processing, build pipelines, and backend services. Extensive experience refactoring software to increase testing and lowering maintenance costs. I am looking for highly motivated team where I can contribute to the success of the team.

👥 Profiles

in LinkedIn
https://www.linkedin.com/in/jonny-miller-0b729220

○ GitHub
https://github.com/jonny-miller

🏢 Experience

Akiri

Nov 2017 — Now

Principal Software Engineer

https://akiri.com

Full-stack developer on a multi-tenant, cloud-based product for handling healthcare data exchange over a secure private network.

- Responsibilities included design, prototyping, testing and implementation for all areas of the product.
- Built initial UI for managing the cloud-based provider network with the VueJS framework.
- Developed an engine for filtering data from healthcare protocols (FHIR/HL7) based on data exchange policies.
- Refactored Python test code to create reusable libraries within the test framework to improve maintainability and readability.
- Developed Python client for the cloud API for use in end-to-end tests.
- Developed APIs and backend services for managing provider resources in the cloud.
- Implemented audit logging capabilities for backend services to track all changes to provider resources.
- Mentored junior developers by reviewing pull requests and providing code feedback.
- Technologies used include Kotlin, Python, Kubernetes, Docker, Terraform, AWS, InfluxDB, Grafana, Vert.x, jOOQ and PostgreSQL.

Dell EMC

Jan 2016 — Nov 2017

Consultant Software Engineer

https://www.dellemc.com/

Developer on a real-time analytics platform codenamed Nautilus, combining Apache Flink for analytics with Pravega for streaming storage.

- Created the overall build system for packaging Nautilus.
- Created the installer for Nautilus using Docker and Ansible playbooks.
- Built automated tooling for analyzing open source dependencies to prevent the inclusion of unfavorably licensed libraries.
- Coordinated and performed the initial release of Pravega to MavenCentral and DockerHub.
- Mentored junior developers by reviewing pull requests and providing code feedback.

EMC Corporation

Jan 2013 — Jan 2016

Principal Software Engineer

https://www.dellemc.com/

Developer on two different products, EMC VxRack Neutrino and EMC ViPR. EMC VxRack Neutrino was a turnkey private cloud product built on OpenStack that combines compute, storage and network into a single package. EMC ViPR was a software defined storage product that automated provisioning storage out of available pools and mounting the storage to host systems.

- Collaborated with the UX team to define the look and feel for Neutrino, which included building early prototypes of the UI.
- Designed and implemented an AngularJS user-interface for Neutrino.
- Prototyped and developed the platform responsible for deploying OpenStack in docker for Neutrino using Python and Ansible playbooks.
- Coordinated build/packaging/release process for Neutrino, pulling together various pieces into a final installable product.
- Instrumental in developing the CI/CD build pipeline in Jenkins and configuring Artifactory for publishing build artifacts.
- Wrote a web-based installer for Neutrino using AngularJS.
- Integrated the Storage Automator service catalog user-interface into ViPR.
- Updated the build system for ViPR, migrating from an Ant build to a Gradle build, and developed many Gradle plugins for use within the build.
- Key contributor in migrating the entire ViPR codebase from Subversion to Git.

iWave Software, LLC

Sep 2011 — Jan 2013

Senior Developer

Developer working on the iWave Storage Automator product. Storage Automator was a self-service catalog for provisioning and mounting storage from a variety of storage arrays.

- Developed Java wrappers for provisioning and mapping storage from VNX, VMAX and NetApp storage arrays.
- Developed the user-interface for Storage Automator using the Play framework, Javascript and CSS.

Vinvox

Mar 2011 — Sep 2011

Software Developer

Worked on a Flex user-interface for the management of automotive technicians by service managers.

- Updated the build system for the Flex frontend and Groovy backend.

Mariner Partners

May 2010 — Mar 2011

IT Consultant

https://marinerpartners.com/

Consultant at Medavie/Blue Cross, building an online medical claim system for Canadian Immigration and Customs (CIC) using Java Server Faces/ICE Faces.

- Contributed in the the final push to complete the first phase of the CIC project on time.

Whitehill Technologies/Skywire/Oracle

May 2001 — May 2010

Senior Developer

Software developer on a Java-based business process integration engine (Whitehill One).

- Developed the Java Swing user interface for Whitehill One.
- Designed and implemented a new wizard framework for Whitehill One to provide a more consistent user experience.
- Developed and maintained the build system for Whitehill One using Ant and Maven.

🎓 Education

Mount Allison University   Sep 1996 — May 2001

Computer Science

Bachelor

- Minor in Mathematics

✖ Skills

Programming

- Kotlin
- Java
- Python
- Groovy
- JavaScript
- Bash
- SQL

Web Technologies

- JSON
- REST
- HTML
- CSS
- Vert.x
- Dropwizard
- Spring
- VueJS
- AngularJS

Developer Tools

- GitHub
- Stash
- JIRA
- Trello
- Artifactory

Build

- Gradle
- Maven
- Ant
- Jenkins

Cloud Platforms

- AWS
- Docker
- Kubernetes
- DC/OS

Operating Systems

- Linux
- MacOS
- Windows