



# Jonny Miller

## Software Developer

### Contact

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### 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

**LinkedIn**  
jonny-miller-0b729220

**GitHub**  
jonny-miller

### Work

**Akiri** November 2017 — Now

**Senior 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.

#### Highlights

- 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 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** December 2015 — November 2017

**Consultant Software Engineer** <https://www.dellemc.com/en-us/index.htm>

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

#### Highlights

- 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** December 2012 — December 2015

**Principal Software Engineer** <https://www.dellemc.com/en-us/index.htm>

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.

#### Highlights

- 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.
- Assisted in developing the platform responsible for deploying OpenStack in docker for Neutrino using 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.

	<b>iWave Software, LLC</b>	August 2011 – December 2012
	<b>Senior Developer</b>	
	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.	
	<b>Highlights</b>	
	<ul style="list-style-type: none"><li>Developed Java wrappers for provisioning and mapping storage from VNX, VMAX and NetApp storage arrays.</li><li>Developed the user-interface for Storage Automator using the Play framework, Javascript and CSS.</li></ul>	
	<b>Vinvox</b>	February 2011 – August 2011
	<b>Software Developer</b>	
	Worked on a Flex user-interface for the management of automotive technicians by service managers.	
	<b>Highlights</b>	
	<ul style="list-style-type: none"><li>Updated the build system for the Flex frontend and Groovy backend.</li></ul>	
	<b>Mariner Partners</b>	April 2010 – February 2011
	<b>IT Consultant</b>	<a href="https://marinerpartners.com/">https://marinerpartners.com/</a>
	Consultant at Medavie/Blue Cross, building an online medical claim system for Canadian Immigration and Customs (CIC) using Java Server Faces/ICE Faces.	
	<b>Highlights</b>	
	<ul style="list-style-type: none"><li>Contributed in the the final push to complete the first phase of the CIC project on time.</li></ul>	
	<b>Whitehill Technologies/Skywire/Oracle</b>	April 2001 – April 2010
	<b>Senior Developer</b>	
	Software developer on a Java-based business process integration engine (Whitehill One).	
	<b>Highlights</b>	
	<ul style="list-style-type: none"><li>Developed the Java Swing user interface for Whitehill One.</li><li>Designed and implemented a new wizard framework for Whitehill One to provide a more consistent user experience.</li><li>Developed and maintained the build system for Whitehill One using Ant and Maven.</li></ul>	
Skills	<b>Programming</b>	<b>Web Technologies</b>
	<ul style="list-style-type: none"><li>Kotlin</li><li>Java</li><li>Python</li><li>Groovy</li><li>JavaScript</li><li>Bash</li><li>SQL</li></ul>	<ul style="list-style-type: none"><li>HTML</li><li>CSS</li><li>Vert.x</li><li>Spring</li><li>VueJS</li><li>AngularJS</li></ul>
	<b>Build</b>	<b>Cloud Platforms</b>
	<ul style="list-style-type: none"><li>Gradle</li><li>Maven</li><li>Ant</li><li>Jenkins</li></ul>	<ul style="list-style-type: none"><li>AWS</li><li>Docker</li><li>Kubernetes</li><li>DC/OS</li></ul>
Education	<b>Developer Tools</b>	<b>Operating Systems</b>
	<ul style="list-style-type: none"><li>GitHub</li><li>Stash</li><li>JIRA</li><li>Trello</li><li>Artifactory</li></ul>	<ul style="list-style-type: none"><li>Linux</li><li>MacOS</li><li>Windows</li></ul>
	<b>Mount Allison University</b>	August 1996 – April 2001
	 <b>Computer Science</b>	
	Bachelor, Minor in Mathematics	