

JAN MONTERRUBIO

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Professional Experience

Cerner Corporation

Senior Software Engineer (Millennium Platform)

Kansas City, MO

Sep 2018 –

- Created and maintained a testing cluster with docker-compose for integration testing which included a pre-seeded database, queue-based services, OAuth authentication and ReST services.
- Designed and implemented a Graph based API backed by Oracle Hierarchical queries
- Developed a maven plugin to control the lifecycle of a proprietary web based framework within a container
- Developed a testing harness which used TestContainers to create pre-built databases
- Created an inventory of Cerner's internal ReST services and aggregated them using SpringFox-Swagger, including the ability to use the Try-it-out feature of Swagger Doc to send requests to a development cluster

Software Engineer (Millennium Platform)

Sep 2014 - Sept 2018

- Created and maintained Java-based RPC and ReST services which serve clinical data both for patient and provider based front ends.
- Analyzed and diagnosed memory performance problems using heap analysis tools (Eclipse MAT, Mission Control, JVisualVM) which resulted in a memory reduction of 40% for the most common requested workflows
- Contributed to a component that dynamically changes SQL based on database metadata (open-source contributions to JSqlParser)

Ultramain Systems, Inc.

Java Software Engineer

Albuquerque, NM

Jan 2013 – Jun 2014

- Implemented the first phase of Ultramain's Action Graphics Generator, which included a library to express a logic structure in an XML format; drag-drop implementation, resizable, a robust implementation of scroll panes for SVG and a dynamically generated user interface based on annotation processing

Related Skills

Languages

- Proficient: Java, Groovy, Scala, Javascript, SQL
- Known: Objective-C, Python, dogescript

Technologies

- JUnit, Maven, Gradle, Jenkins, Splunk, JIRA, Crucible, Git, Skybox, WebSphere, Spring, npm, node, Docker, Kubernetes

Education

University of New Mexico

Bachelor of Science in Computer Science
Minor in Psychology

Albuquerque, NM

December, 2012

Honors and Awards

Scholarships

Amigo International Scholarship

2008 - 2012

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References

Scott Grissom

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