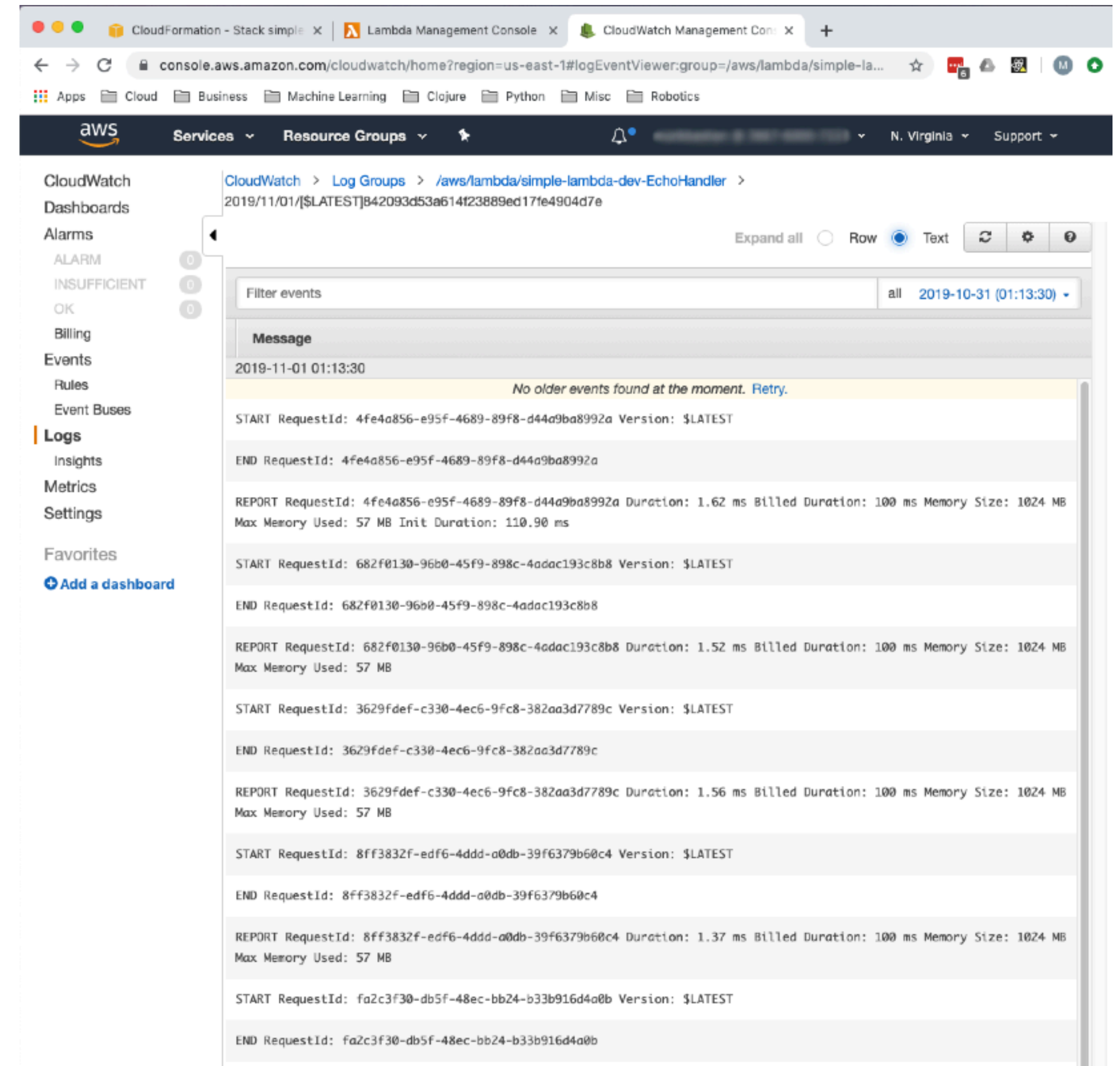
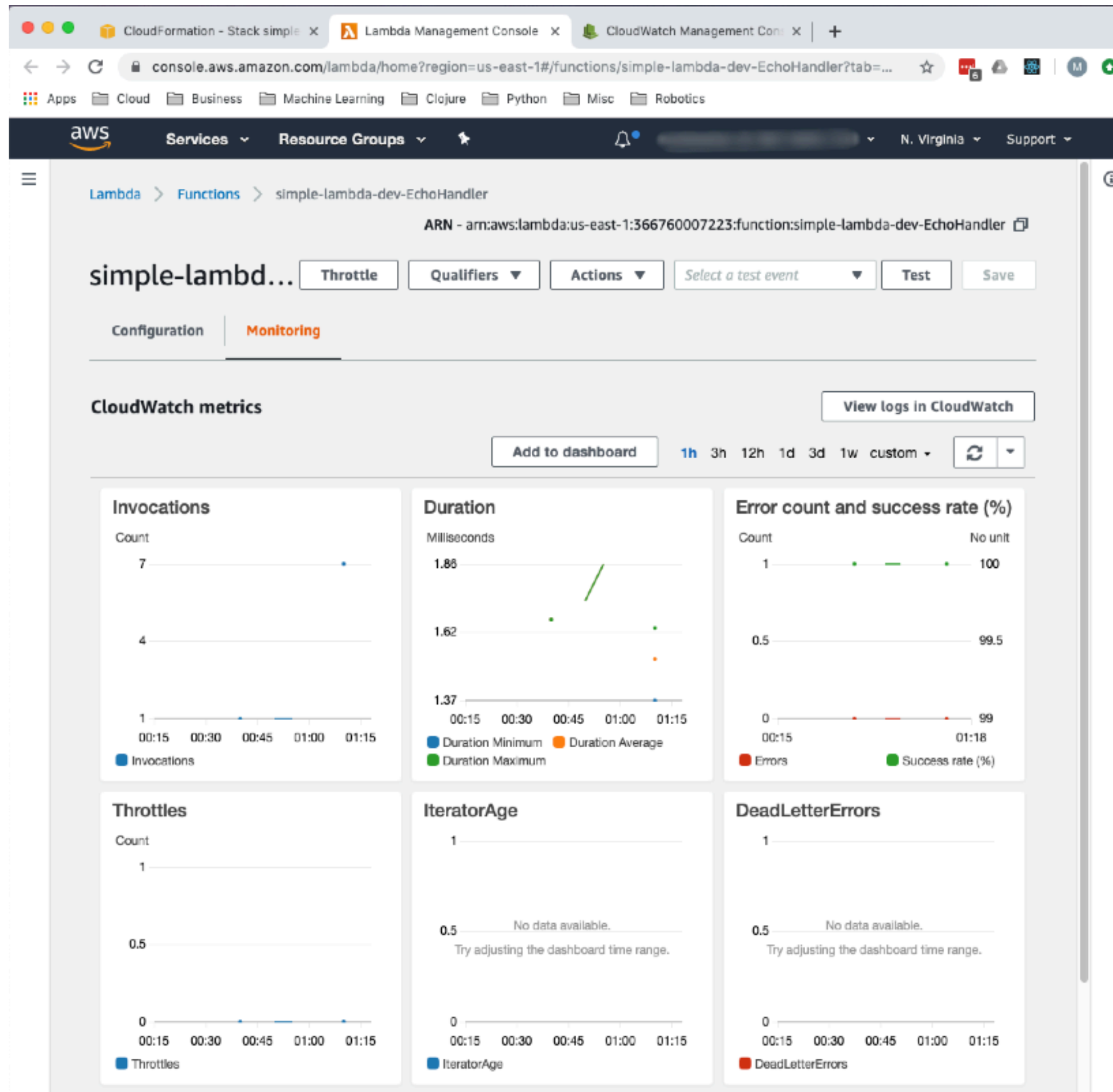


Tools: Logging Consoles



Tools: Interactive Debugger

The screenshot shows an IDE (IntelliJ IDEA) with a Java project named 'con2019'. The main editor displays the 'QueueToDbTask.java' file. The code is as follows:

```
package con2019.heroes;

import ...

@Component
public class QueueToDbTask {

    @Autowired
    SuperPersonRepository repository; repository: "org.springframework.data.jpa.repository.support.SimpleJpaRepository@1da7fd5d"

    @Autowired
    private QueueFile queue; queue: "QueueFile[fileLength=4096, size=2, first=Element(position = 50, length = 38), last=Element(position = 92, length = 27), element lengths=[38, 27]]"

    private static final Logger log = LoggerFactory.getLogger(QueueToDbTask.class);

    private static final SimpleDateFormat dateFormat = new SimpleDateFormat(pattern: "HH:mm:ss");

    @Scheduled(fixedRate = 1000)
    public void reportCurrentTime() throws IOException {
        byte[] data = queue.peek(); data: {63, 117, 112, 101, 114, 109, 97, 110, 44, 32, + 20 more}

        if (null != data) {
            queue.remove(); queue: "QueueFile[fileLength=4096, size=2, first=Element(position = 50, length = 38), last=Element(position = 92, length = 27), element lengths=[38, 27]]"
            String line = new String(data); line: "Superman, DC, Flying, Strength" data: {63, 117, 112, 101, 114, 109, 97, 110, 44, 32, + 20 more}
            String[] frags = line.split(regex: ","); frags: {"Superman", "DC", "Flying", "Strength"} line: "Superman, DC, Flying, Strength"
            for(int i = 0; i < frags.length; i++){
                frags[i] = frags[i].trim();
            }
            String name = frags[0]; name: "Superman"
            String universe = frags[1]; universe: "DC"
            String[] powers = Arrays.copyOfRange(frags, from: 2, frags.length); powers: {"Flying", "Strength"} frags: {"Superman", "DC", "Flying", "Strength"}
            SuperPerson superPerson = new SuperPerson(name, universe, powers); superPerson: SuperPerson@9867 name: "Superman" universe: "DC" powers: {"Flying", "Strength"}
            log.info("Persisting super : {}, superPerson); superPerson: SuperPerson@9867
            repository.save(superPerson);
            log.info("Super persisted!");
        }
    }
}
```

The debugger is currently paused at line 41, which is the log statement. The stack trace shows the following frames:

- reportCurrentTime:41, QueueToDbTask (con2019.heroes)
- invoke0:-1, NativeMethodAccessorImpl (jdk.internal.reflect)
- invoke:62, NativeMethodAccessorImpl (jdk.internal.reflect)
- invoke:43, DelegatingMethodAccessorImpl (jdk.internal.reflect)
- invoke:564, Method (java.lang.reflect)
- run:84, ScheduledMethodRunnable (org.springframework.scheduling.support)
- run:54, DelegatingErrorHandlingRunnable (org.springframework.scheduling.support)
- call:514, Executors\$RunnableAdapter (java.util.concurrent)
- runAndReset:305, FutureTask (java.util.concurrent)
- runAndReset:-1, FutureTask (java.util.concurrent)

The variables panel on the right shows the following variables:

- this = {QueueToDbTask@9880}
- data = {byte[30]@9861}
- line = "Superman, DC, Flying, Strength"
- frags = {String[4]@9863}
- name = "Superman"
- universe = "DC"
- powers = {String[2]@9866}
- superPerson = {SuperPerson@9867}
- repository = {Proxy87@9868} "org.springframework.data.jpa.repository.support.SimpleJpaRepository@1da7fd5d"

The bottom status bar shows the build completed successfully in 2 s 789 ms (a minute ago).