Title

Author Name

**Book Title**

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# About the Author

Todo: Please enter a short biography of yourself (100-200 words) and provide a good quality photograph

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Preface

**Todo**: Provide an introduction to your book here. As a guideline 500 words or so is about right.

## What is in an InfoQ mini-book?

InfoQ mini-books are designed to be concise, intending to serve technical architects looking to get a firm conceptual understanding of a new technology or technique in a quick yet in-depth fashion. You can think of these books as covering a topic strategically or essentially. After reading a mini-book, the reader should have a fundamental understanding of a technology, including when and where to apply it, how it relates to other technologies, and an overall feeling that they have assimilated the combined knowledge of other professionals who have already figured out what this technology is about. The reader will then be able to make intelligent decisions about the technology once their projects require it, and can delve into sources of more detailed information (such as larger books, or tutorials) at that time.

## Who this book is for

**Todo**: Please provide a description of the attended audience for your book. For example

This book is aimed specifically at Java architects and senior developers who want a rapid introduction to how garbage collection works, the different underlying algorithms and memory structures, which collectors are commonly used, and how to choose one over another.

## What you need for this book

**Todo**: Fill in what a reader needs to work with your book. For example:

Whilst there are no coding exercises in this book, you may want to try out some of the individual code samples on your own machine. To do this, you will need a computer running an up-to-date operating system (Windows, Linux, or Mac OS X). Java also needs to be installed. The book code was tested against JDK 1.8, but newer versions should also work.

## Conventions

**Todo**: Try and follow these conventions as you author the book. You can update this text to reflect code examples from your actual text.

We use a number of typographical conventions within this book that distinguish between different kinds of information.

Code in the text, including database table names, folder names, file extensions, pathnames, dummy URLs, user input, and Twitter handles are shown as follows:

“The size of the Java heap can be typically controlled by two flags, -Xms for the initial size and -Xmx for the maximum size.”

A block of code is set out as follows:

**public** **class** GCInformation {

**public** **static** void main(**String**[] args) {

**List**<GarbageCollectorMXBean> gcMxBeans =

ManagementFactory.getGarbageCollectorMXBeans();

**for** (GarbageCollectorMXBean gcMxBean : gcMxBeans) {

**System**.out.println(gcMxBean.getName());

}

}

}

When we want to draw your attention to a particular part of the code it is highlighted in bold:

[PSYoungGen: 542688K->253792K(628224K)] 1290819K->1185723K(1629184K), 0.3456630 secs] [Times: user=1.01 sys=0.08, real=0.35 secs]

2015-03-07T22:11:25.540+0000: 7.239: [Full GC [PSYoungGen: 253792K->0K(628224K)] **[ParOldGen: 931931K->994693K(1595392K)] 1185723K->994693K(2223616K) [PSPermGen: 3015K->3015K(21504K)], 3.1400810 secs] [Times: user=8.78 sys=0.15, real=3.14 secs]**

Important additional notes are shown using callouts like this.

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Introduction

Your introduction will be around 500 words.

Part 1

InfoQ mini-books are generally divided into “Parts” rather than chapters to reflect the shorter form. Your book text itself will be around 25,000 words or so.

Suggestions for further reading

Todo: Please provide links to further reading here.