Rosegarden

A Slumbering Giant

Richard Bown
@bown_rw
What is Rosegarden?

Rosegarden is a **music composition and editing environment** based around a **MIDI sequencer** that features a rich understanding of **music notation** and includes **basic support for digital audio**.

Rosegarden is an easy-to-learn, attractive application that runs on Linux, ideal for composers, musicians, music students, and small studio or home recording environments.

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**Rosegarden 22.12.1 released!**

Read the **release note**, and [get the code here](#)!

**Learn more** about Rosegarden:

- [Take our tour!](#)
- Read the [user documentation](#).
- Join the Rosegarden [community](#).
- Find out [who wrote Rosegarden](#).
- And last but not least, [get it!](#)!
<table>
<thead>
<tr>
<th>Distro release</th>
<th>Rosegarden version</th>
<th>Available via</th>
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<tbody>
<tr>
<td>Ubuntu 22.04.1 LTS (Jammy Jellyfish)</td>
<td>Rosegarden v21.12</td>
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<td>Gentoo Linux</td>
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Who am I?

RICHARD BOWN

- Independent Consultant
- Software Delivery & Customer Focus
- Lead Dev on Rosegarden (1995-2004/5)
- Talks, writes and podcasts about software development technique, legacy & DevOps
- Coding when necessary to prove or disprove a point
OSS - What is Important?
EFFORT

Christopher Cannam
Melissa Wilson
Richard Bown
Guillaume Laurent
Ron Kuris
Randall Farmer
Hans Kieserman
D. Michael McIntyre
Pedro Lopez-Cabanillas
Levi Burton
Mark Hymers
Alexandre Prokoudine
Jörg Schumann
Eckhard Jokisch
Kevin Donnelly
Didier Burli
Yves Guillemot
Heikki Johannes Junes
Daniele Medri
Alessandro Musesti
Stefan Asserhāl
Erik Magnus Johansson
Hasso Tepper
Jelmer Vernooij

Kevin Liang
Arnout Engelen
Thorsten Wilms
"William"
Liu Songhe
Thomas Nagy
Vince Negri
Toni Arnold
Stephen Torri
Jan Bina
Vladimir Savic
Lisandro Damián Nicanor Pérez
Meyer
Javier Castrillo
Lucas Godoy
Marcos Guglielmetti
Feliu Ferrer
Quim Perez i Noguer
Carolyn McIntyre (deceased)
Piotr Sawicki
David García-Abad
Mikhail Yakshin
Joerg C. Koenig
Philippe Macaire
Jaakko H. Kyro

Gunhild Andersen
Colin Fletcher
Alessandro Preziosi
Stefan Asserhall
"Flameeyes" Pettenò
Anders Dahnielson
Shelagh Manton
Julie Swango
Emanuel Rumpf
David Willis
Chris "CJ" Fryer
Thorsten Alteholz
Queen Mary, University of London
Mikko Vepsäläinen
Jani Frilander
Ilan Tal
Doug McGilvray
Nicholas Bailey
Graham Percival
Mario Moles
Dave Plater
Michel Munnix
Ted Felix - Performance improvements, bug fixes, new features.

Felipe Lopes
Ian Gardner
Alvar Udras
Daren Beattie
Tom Breton
Tim Munro
Niek van den Berg
Grzegorz Pruchniakowski
Fernando A. Martin
Tito Latini
David Faure - Bug fixes, ThornStyle, Qt related improvements, cmake build system...
Philip Leishman (lman) - Bug fixes and new features.
Michael Stockinger - German Translation.
Mark R. Rubin (thanks4opensrc) - Added several new features. See his fork on github.
Scott Snyder
Jasper Stein
Oota Toshiya
Isn't it time you
Woke Up
to
Linux Audio

www.ferventsoftware.com
EXPERTISE
Rosegarden

Rosegarden 1.0

‘92 – ‘95
Rosegarden

Notation
Rosegarden

Piano Roll
Event Edit
Rosegarden

Notation PianoRoll
Gaming and Learning

- Too much XTank
- UNIX Command Line
  - SGI IRIX
  - SunOs
- Sun SPARC
- Learning C, X11, Command Line
EXPERTISE
Serving the Customer / End-User
Logic Audio
Cubase
Rebirth
Reason
Learning the Domain
Architectural Ideas

From Rosegarden 2.1 (C/X11/XAw)
JAVA
IPC – CORBA
OSS Sound
ALSA/JACK emergent
Smaller / Bigger
GTK vs KDE
UI was going to be vital
Rosegarden
The KDE Years
2001 - 2008
Emergent Architecture

- Shared Core (templated C++)
- KDE/Qt (KDE 1.0) → Qt6
- KDE sound and OSS MIDI (pre ALSA)
- JACK integration
- LADSPA/DSSI Plugin support
- VST Plugins
- MIDI Import/Export
- Notation Markup and Printing (Lilypond export)
- Rosegarden Studio Concept
- Editing Rulers
Architecture and Organisation is Difficult
Everyone Has An Opinion on UI
When You Get it Right, Great Features are Simple To Implement
A Small Number of Loyal Users is All You Need
Rosegarden

Getting Out There
Rosegarden helps you compose, edit and arrange music.

With all the power of top products for other platforms, Rosegarden is the leading sequencer and score editor for Linux - and it's both friendly and free.

- Record from MIDI instruments, guitars and microphones
- Compose and edit in score, matrix and segment editors
- Arrange, mix, and render to audio for CD or mp3

Available for the Linux desktop now.
http://www.all-day-breakfast.com/rosegarden/
"the closest native equivalent to Cubase for Linux" - Sound on Sound

Rosegarden development is supported by
www.ferventsoftware.com

- Journalism
- Trade Shows
- Conferences
- Approaching vendors
- Documentation (Books)
- Partners
Getting on the Road
Rosegarden

The Qt Years
2008 - Present
Major Dependency
Upgrades are Hard
SMALL IS SIMPLE
SIMPLE IS GOOD

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The Future
Continuing contributions
Continuing Contributors
Studio to Go! product

Stabilisation

QT Port (removing KDE)
Compare Contributions

Rosegarden

MusE - A Digital Audio Workstation
PEOPLE
TOP FIVE THINGS
Quality
Coding Is Social, OSS Doubly So
“People Like Us Do Things Like This”
Seth Godin
It’s Only Software