

# Ole André Vadla Ravnås

*Senior Software Engineer*

+47 482 70 645

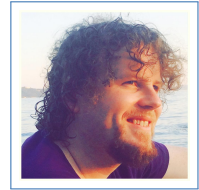
oleavr@gmail.com

www.frida.re

oleavr

oleavr

oleavr



## Experience

### Vocational

- 2011–2014 **Co-Founder and Software Engineer**, *Soundrop AS*, Oslo.  
Development of desktop app in Qt/Qml, front-end single-page apps for Spotify in HTML/CSS/JavaScript, and backend systems in Erlang and Go.
- Automatic software update system with compression and delta-updates in C++;
  - Maintained and co-developed Soundrop's first iOS app;
  - Re-engineered Android app from the ground up.
- 2011–2011 **Software Engineer**, *Tillit AS*, Oslo.  
Reverse-engineering consultancy and part-time work on what later became Soundrop.
- 2006–2011 **Software Engineer**, *TANDBERG/Cisco*, Oslo.  
Development of video conferencing software for Windows, Mac and Linux. Worked on everything from backend to video codecs, signaling protocols, and all the way up to the GUI layer.
- Invented and implemented a DRM-scheme involving a modified PC BIOS;
  - Inventor of patented ad hoc pairing method using ultrasound;
  - Did a POC port to iPhone by reverse-engineering Apple's hardware codec APIs.

### Open Source

- 2010–Present **Founder and Maintainer**, *www.frida.re*.  
Created the Frida project out of my passion for scriptable cross-platform dynamic binary instrumentation.
- 2006–2009 **Founder and Maintainer**, *https://code.google.com/p/ospy/*.  
Created the oSpy project to help me while reverse-engineering Microsoft ActiveSync and Windows Live Messenger.
- 2004–2005 **Founder and Maintainer**, *libmimic video codec*.  
<http://tech.slashdot.org/story/05/04/05/0240236/logitech-msn-webcam-codec-reverse-engineered>
- 2000–2002 **Founder and Maintainer**, *JBLinux*.  
Created my own Linux distro from scratch. Distributed on CD by two European Linux magazines.

## Publications

Anatomy of a code tracer

<https://medium.com/@oleavr/anatomy-of-a-code-tracer-b081aadb0df8>.

Build a debugger in 5 minutes

<https://medium.com/@oleavr/build-a-debugger-in-5-minutes-1-5-51dce98c3544>.