

# Ole André Vadla Ravnås

*Senior Software Engineer*

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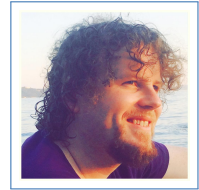
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www.frida.re

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## Experience

### Vocational

- 2015–present **Founder and Software Engineer**, *RETrace AS*, Stavanger.  
Provider of world-class reverse-engineering and software development services.
- 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 iOS and Android apps.
- 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 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.
- 2005–2006 **Software Engineer**, *Ravnås Consulting*, Stavanger.  
Embedded Linux software development contract work on Nokia Maemo.

### Open Source

- 2010–present **Founder and Maintainer**, *www.frida.re*.  
Created the Frida project out of passion for cross-platform dynamic binary instrumentation.
- 2006–2009 **Founder and Maintainer**, *https://code.google.com/p/ospy/*.  
Created the oSpy project to help reverse-engineer MS ActiveSync and Messenger.
- 2004–2005 **Founder and Maintainer**, *libmimic video codec*.  
*http://tech.slashdot.org/story/05/04/05/0240236*
- 1999–2002 **Founder and Maintainer**, *JBLinux*.  
Created 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>.