Ole André Vadla Ravnås

Senior Software Engineer

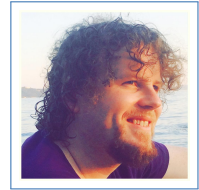✆ *+47 482 70 645*
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⊙ *oleavr*

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.

2005–2006 **Software Engineer**, *Ravnås Consulting*, Bjørheimsbygd.
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/logitech-msn-webcam-codec-reverse-engineered

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.