

Erez Shinan - Software Engineer

An experienced and polymathic software engineer, looking for a new challenge. Interested in software architecture, machine learning, and new technologies. I'm a creative and intuitive autodidact, and I have excellent communication skills.

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EXPERIENCE

Freelance— Programming & Data Science

DEC 2016 - Present

Lagoon Mobile Security — Team Leader

Acquired by CheckPoint at Apr 2015

FEB 2013 - NOV 2016

Invented and engineered a sophisticated and successful Static Analyzer for Android Apps (Dalvik), vastly surpassing all published research.

Wrote several internal tools (in Django) crucial to the company's operation, that are still used and maintained by dedicated teams.

Freelance — Freelance Consultant

SEP 2011 - FEB 2013

Consultant for Integrity Project, extending Linux's wifi supplicant. Provided software consulting to C4-Security. Backend+Frontend web developer for Startcut Ltd.

GreenCloud — Lead Developer

MAY 2009 - JUL 2010

Wrote a WDK Driver for monitoring programs using syscall hooking. Supervised and provided guidance to fellow coders on a daily basis.

8200, Israeli Intelligence Core — R & D

DEC 2003 - JUN 2008

Wrote software in C, C#, Python and Assembly (80x86, ARM/THUMB). R&D of algorithms related to graph theory and parsing. Worked within an embedded environment with real-time constraints.

Other employers include: RedHat Israel, Axxana

OPEN-SOURCE PROJECTS

Lark — a modern parsing library for Python

Lark takes an inventive approach to its API and algorithms. It is only a year old, yet quickly becoming Python's most popular parsing solution. It recently received an award from the Google Open-Source program. I designed it, wrote it, and implemented its algorithms (LALR and Earley)

<https://github.com/erezsh/Lark>

LANGUAGES

Python (13 years)

C/C++ (8 years)

Assembly (8 years)

JavaScript, C#, Go

OTHER SKILLS

Architecture, API Design, Security, Linux

Low-level: Embedded, Reverse Engineering, Drivers & Kernel, Optimization

Web: Vue.js, Django, SQL

HUMAN LANGUAGES

English - Excellent

Hebrew - Native

HOBBIES

Guitar, music, sci-fi, mountain biking, chess, drawing, gaming, books, linguistics and philosophy.

LEARN MORE

Coding blog:
<http://blog.erezsh.com>

Github Account:
<http://github.com/erezsh>