

# Resume

## Personal data:

**Name:** Gal Dudi

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## Summary:

Highly experienced in: **Multithreading**, OOP / OOD, user-mode **Windows Internals** and **Windows API**, Embedded and Multidisciplinary systems, application-level reverse engineering. High quality software, autodidact, always welcoming new challenges and the latest technologies.

## Experience and knowledge in programming:

Programming Languages: C++ (11/14/17), Golang, Python

Operating Systems: Windows (7/10), Ubuntu, Mac

Programming Concepts: Code optimizations, multithreaded logic, refactoring, **thread-safe coding, DLL injection, API hooking**, application-level reverse engineering

Partial Knowledge: .NET (C#, managed C++), Assembly, Java

Source Control: GIT, SVN

## Work Experience:

### 2018-Now – **BlueVoyant**

Senior Developer, Backend MicroService Threat Intelligence Development in GO.

Developing applications for data collection from all known messengers (especially in dark-web) for usage in advanced cyber threat intelligence analysis (GOLANG, SQL, Dockers, Ubuntu).

- ICQ REST based client as scraper microservice docker
- ICQ Manager microservice docker that handle several ICQ scraper dockers
- Golang library to manage net/ip ranges, collections, etc.
- Golang and Python Okta verification library API for backend microservices
- Python CIFv4 docker client

### 2016-2018 – **Covertix-MicroFocus**

Senior C++ Developer, Client Development plus Kernel Driver maintaining.

Developing application for enterprise security and data classification on windows. Using the latest C++ 11 features (lambda functions, variadic templates, delegating constructors). (C/C++, COM, win32, kernel driver).

- Integrating security and data classification into Outlook by using the latest C++ 11 features.
- Fix security problems while working with MsWord and Excel by reverse engineering Open, Close, Print and Copy commands.
- Fixing communication problems between client Office dll and kernel driver.

### 2015-2016 – **BitShakers Ltd**

Client Development.

Writing smart installers that installs services, kernel drivers and automatic updaters.

Development and maintenance of Browser API and Net Filter applications using win32 and kernel drivers (C/C++, COM, win32). Development and maintaining of automatic product deployment tools

### 2013-2015 – **Agento Ltd**

Client Development.

Writing smart installers that installs services, kernel drivers and automatic updaters.

Development of Desktop Applications that works with all browsers. Writing automatic silent updaters, LSP engine for all installed browsers and Kernel Drivers (C/C++, COM, win32)

#### 2012-2013 – **CrossRider Ltd - Market.com Ltd**

Client Development.

Writing Installer for Browsers extensions (IE Explorer, Firefox, Chrome and Safari) using NSIS. Writing automatic silent updaters and statistics reporters (C++, Task schedulers, Multithreaded tasks). Advanced Chrome extension installer for all users and profiles.

#### 2011-2012 – **ActivePath Ltd**

Senior Manager, Client Development.

Responsible for writing Outlook extension (C++, COM)

Smart Installer that wraps MSI installer with enhanced UI and logic (C++, Task schedulers, Multithreaded tasks). Advanced Chrome extension installer for all users and profiles. Updaters that could run silently without user interventions and update the sources to the latest available

#### 2008-2011 - **SpeedBit Ltd**

Development of video accelerators on Macintosh (VA4MAC).

Using low level driver (kext) and multiply threads to download parallel streams (C, C++, C Objective, Multithreaded, TCP/IP, Pipes) Development of toolbars and extensions for Firefox and extensions for Chrome.

#### 1998-2008 - **ICQ Ltd**

Development Team Leader of ICQ Lite, ICQ 4 & 5, with a variable team's size of 5 to 16 people.

CM domain management and writing software Installers for ICQ.

Development Team Leader of the chat software 'ICQ Surf' integrated in IE.

ICQ development for Palm Pilot and Pocket PC. C / C + +, COM / DCOM.

#### 1996-1997 - **Panergy Ltd**

Development for Mac low level interfaces

#### 1992-1996 - **A.C.A. Architectural and Computer Aids Ltd**

Head of Macintosh Development.

Development of graphical interface software ARC + on Macintosh (3D software for architects).

Development of z-buffer module for MAC and PC for ARC+.

Moving ARC+ software from DOS to Windows PC system.

#### 1987-1992 - **Panergy Ltd** (Freelance)

Special development for Mac (mostly assembler)

#### 1989-1992 - **Tadiran Information Systems**

Software developer for IBM-370 VM / CMS.

Programmer Assembler language and REXX on a VM / CMS.

#### 1989-1986 - **Ben-Gurion University of the Negev**

Assistant in the Physics Department.

### **Education:**

1989-1989 - Course DB2 database / Oracle.

1986-1989 - Graduate studies in nuclear physics at Ben – Gurion University.

1983-1986 - BA in Physics with computers at Ben – Gurion University.