

> Yonatan Guedj

C/C++ Software Engineer

> Contact

ID: 015571193
Tel. 054-4963152

E-mail yehonatan.guedj@gmail.com
Web <http://il.linkedin.com/in/jonathguedj>

> Profile

Over 8 years of experience in multi-threaded software application using C/C++ in Embedded Linux environment.

Ability to analyze, design and implement features in a large and complex system.

Quick learning and deep understanding of new protocols, platforms and technologies.

Excellent communication skills and a proven ability to integrate tasks across R&D teams (SW, HW, System and abroad teams).

> Experience

2011 - Present: SW Engineer at Ceragon (Ethernet over Radio)

- **Infrastructure Team**

As part of a small Infra team I maintain and develop Middleware libraries that provide the platform on top of which our application is built. The platform provides services required by the application like communication, database services, software upgrade, database upgrade, transactions ...

The team is also responsible of the Linux environment: init, scripts, logs,

For a new family of products, I dev-op'ed a new Build System using the yocto/bitbake framework.

I also support and guide application developers to obtain the best from infrastructures.

- **Radio Team**

I worked on "header compression" feature, integrating software and FPGA and implemented a "Flow Control" mechanism between Network processor and Radio Queues.

- **Networking Team**

I developed networking libraries from their very early stage, providing features like: services, vlan switch, policer, shaper, QOS, the data path being based on a Network Processor.

We progressively added more L2 protocols, I was responsible of porting third party protocol stacks like Connectivity Fault Management (CFM) to our platform.

All features are managed in a Configuration database with many interfaces: CLI, web, snmp, REST.

I worked on a POC project of SDN (Software Defined Networking), so familiar with netconf/yang.

Full Dev cycle: Requirements Analysis, Design, implementation and Testing.

Dev Environment: C/C++, Linux, Git/ClearCase, Kanban, Klocwork

Programming skills: C/C++, Object Oriented Design, linux, bash, python

2008 - 2010: M.Sc. Thesis Project - Drug Design Software

Molecular Modeling Laboratory, Hebrew University

Design and Implementation of a Conformation Generator Software using a stochastic algorithm.

> Education

2010 – 2011 RT Embedded Specialization at Pacific Software (6 month)

2007 – 2010 M.Sc. in Bioinformatics (Grade 91) Hebrew University of Jerusalem, Israel

2006 – 2007 Teaching Certificate in Science & Technology the Hebrew University

2004 – 2006 B.Sc. in Biology the Hebrew University

> Languages

Hebrew, fluent in English, French (native)