

# Patrick Louis

## Software R&D Engineer

A deliberate thinker in a world of interconnected ideas and concepts, not afraid of intricate systems and specifications, simplifying their architecture. Great team player and planner.

## EXPERIENCE

### Invigo, Lebanon — Software R&D

MONTH 2014 - PRESENT

Creating and maintaining a variety of services for mobile operators. Implementation of remote-sim-provisioning server (GSMA RSP eSIM for consumer and M2M: SMDP, SMSR, SMDS, SMDP+). I've played an integral part in guiding an agile team, building a secure system from scratch compliant with the SAS-SM standards, researching and planning a path to fruition. Currently live at 5 operators in 8 countries, counting more than 60k profile installations.

### Nixers.Net — Server administrator

MONTH 2013 - PRESENT

In charge of administering the servers of nixers.net, keeping them up to date and secure. Creating activities for the community (1744 members): podcasts (40 episodes), newsletters (136 entries), discussions (209 threads), conferences, scavenger hunts, etc. <https://podcast.nixers.net/feed/> <https://newsletter.nixers.net/>

## EDUCATION

### USEK, Lebanon — BS in Computer Science

2012 - 2014

Graduated with excellence — GPA of 91.19/100.

### University of Colorado, USA — Specialization in Secure Software Design

2020

Software Design as an Element of the Software Development Lifecycle, Software Design as an Abstraction, Software Design Methods and Tools, Software Design Threats and Mitigations

## PROJECTS (for brevity only a subset)

### 2bwm — A fast Window Manager

A fast floating WM, with the particularity of having 2 borders, written in C over the XCB library. <https://github.com/venam/2bwm/>

### HTML5 games — Mini-Games

Two small games in HTML5 made in 2015: [https://venam.nixers.net/gravity\\_guy/](https://venam.nixers.net/gravity_guy/) <https://venam.nixers.net/potato/>

Canadian/Lebanese

patrick@psychology.wtf

<https://venam.nixers.net/blog/>

<https://github.com/venam>

<https://www.linkedin.com/in/patlouis/>

<https://stackoverflow.com/users/story/12546886>

## SKILLS

Unix/Linux, Java (Spring Boot), C, C++, Perl, Python, PostgreSQL, MySQL, MariaDB, ASN1, Software Architecture, JCA/JCE, LDAP, SOAP, REST

## AWARDS

1st place in Lebanon on Wechall

[https://www.wechall.net/country\\_ranking/player/kamel\\_louis](https://www.wechall.net/country_ranking/player/kamel_louis)

1st in Lebanon National CTF 2020

<https://cybertalents.com/competitions/lebanon-national-cybersecurity-ctf-2020/teams>

2nd place in b01lers.com CTF 2020

<https://ctftime.org/event/1089>

1st in CyberTalents Arab and Africa Regional CTF 2020

<https://cybertalents.com/competitions/arab-africa-regional-cyber-security-ctf-2020/teams>

## LANGUAGES

Fluent in English and French. Understands/Talks, but not fluently, Arabic.