

Kaloyan KRASTEV

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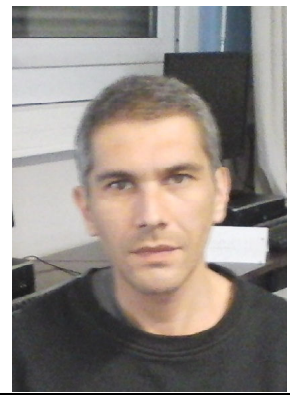
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<https://kaloyansen.github.io>

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python/c/c++



## SKILLS

**embedded linux, experimental data analysis and visualization.**

**languages** python, C/C++, java, fortran, perl, php, javascript.

**web** Django, Symfony, Vue.js, apache, nginx, unicorn, CGI, WSGI.

**system** OpenSUSE, Debian, CentOS, Manjaro, docker, bitbake, qemu.

**version** cvs, subversion, git.

**data** Numpy, Pandas, Matplotlib, Pyplot, Oracle, SQL\*Loader, MySQL, SQLite, MariaDB.

**IDE** eclipse/emacs.

## PROFESSIONAL EXPERIENCE

- 2023/2024** [TRIPLE HELIX](#), Sofia.  
embedded operating systems design and development (sh/python/bitbake/qemu).  
a compact system performance monitor (c/c++) <https://kaloyansen.github.io/imgui>.
- 2022/2022** [BUSOFT ENGINEERING](#), Burgas.  
online catalogue personalised user access (docker/centos 7/apache/perl 5/mysql)  
<https://github.com/kaloyansen/bnotes>.
- 2011/2016** LE HOUL ASSOCIATION, Grenoble, France.  
webmaster, president (debian/perl/python/apache).
- 2008/2010** CNRS, [LABORATOIRE DE PHYSIQUE SUBATOMIQUE ET DE COSMOLOGIE](#), Grenoble, France.  
physicist; reconstruction and digitalisation of Si-W photon detector (c/c++).
- 2004/2008** DESY, [DEUTSCHES ELEKTRONEN-SYNCHROTRON](#), Hamburg.  
scientific analysis of experimental data (c/c++/opensuse).  
expert H1 central trigger (flex/bison/java).  
online visualisation of experimental data (perl/oracle/sqlplus).
- 2002/2005** [INSTITUTE FOR NUCLEAR RESEARCH AND NUCLEAR ENERGY](#), Sofia.  
physicist; long-term simulation of radioactive waste (fortran).

## EDUCATION

- 01/09/2022** [APFORMATION](#), Toulouse, France.  
qualification : [software application design and development](#).  
model view front/back-office controllers (php) <https://kaloyansen.github.io/mvc>.
- 11/11/2008** [HAMBURG UNIVERSITY](#), Germany.  
PhD in high-energy physics : *Multijets in Photoproduction at HERA*.
- 22/02/2002** [SOFIA UNIVERSITY](#), Bulgaria.  
nuclear engineer.

## LANGUAGES

english (professional), french (fluent), bulgarian (native).