

# Øyvind Skaar

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## EDUCATION

### Master of Science in Informatics

January 2008 » June 2010

*University of Oslo and University Graduate Center (UNIK)*

**Thesis:** "The potential of Trusted Computing for Strengthening Security in Massively Multiplayer Online Games" <https://www.duo.uio.no/handle/10852/8732>

**Security related courses:** cryptography, operating system security, software security, security in distributed systems.

**Other:** communications protocols and routing, open source software development with Java frameworks, distributed systems and interactive websites.

### Bachelor of Science in Informatics

August 2004 » June 2007

*University of Oslo*

**Software development:** Java, python, php, c, c++, fortran, assembly.

**Other:** databases, computer architecture, tcp/ip, systems development, logic and computability, algorithms and data structures, mathematics, media and communication (computer games, multimodal web-design), human-computer interaction, xml and xslt etc.

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## EXPERIENCE

### IT-Consultant and freelancer, Skaar Solutions May 2014 » Present

*Skaar Solutions c/o MESH, Tordenskiolds gate 3, 0160 Oslo*

Together with partners I deliver a range of IT services and products to the SMB market: Consultant Services, Programming & IT Development and Problem Solving.

**Keywords:** Web-architecture, Linux & Open Source, Cloud computing.

Technologies: Linux, MySQL, Postgresql, Perl, PHP, Go (golang), Nginx, Apache, Redis, HAproxy, Varnish

### Software developer and system administrator

September 2010 » May 2014

*Opoint AS, Akersgata 28, Oslo*

Planning, designing and developing internal and external systems, mainly in Perl and PHP with MySQL and Redis backends. System administrator related tasks, such as implementing and maintaining mail and backup solutions. Managing technical, and some non-technical, aspects of successful external projects.

Key technologies: Perl, PHP, Linux, MySQL, XML, XSLT, C

### Software developer and system administrator, part-time

October 2005 » August 2010

*Opoint AS, Akersgata 28, Oslo*

### **IT-assistant, part-time**

2004 » 2005

*Kristelig Gymnasium, Homansbakken 2, Oslo*

Configured and maintained desktop computers. Provided technical support for employees.

Key technologies: Windows, Office, Novell NetWare, Norton Ghost, NDIS drivers and several other applications.

### **"IKT" intern**

September 2001 » July 2003

*Norges Idrettshøgskole, Sognsveien 220, Oslo*

Configured and maintained desktop computers, network (cisco), thin clients and servers (Windows 2000 and legacy unix systems). Provided technical support for employees and students.

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#### **PRESENTATIONS AND PAPERS**

##### ■ **"Organized Crime in Virtual Worlds: How to Get your own Syndicate"**

Shortpaper and presentation at Nordsec 2009, the 14th Nordic conference on secure IT systems.

<http://nordsec2009.unik.no>

##### ■ **"Organized Crime in Virtual Worlds"**

Academic Forum on Security, November 2009

<http://wiki.unik.no/index.php/Infosec/Meeting200911>

##### ■ **"Online Games Security with Trusted Computing"**

Academic Forum on Security, March 2009

<http://wiki.unik.no/index.php/Infosec/Meeting200903>

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#### **VOLUNTARY WORK**

##### **"Webkompaniet", Second-in-command**

May 2009 » February 2013

*Storsalen church*

<http://storsalen.no/tjenester/tjeneste.php?node=1780>

"Webkompaniet" creates and maintains external and internal web sites and applications to facilitate day-to-day tasks for employees, members and visitors. I wrote PHP code, installed and maintained servers and services.

Key technologies: PHP, HTML, Postgresql, Linux, Apache, Postfix, Samba, Perl, Windows, Microsoft Office, OpenOffice.org

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**TECHNICAL  
SKILLS****Programming languages:**

- Perl
- Go
- PHP
- Ruby
- Python
- C
- Assembly
- (Erlang)

**Operating systems:**

- Linux
- OpenBSD
- FreeBSD
- Windows

**Databases:**

- MySQL
- Redis
- Postgresql
- CouchDB

**Server daemons:**

- Nginx
- Apache
- lighttpd
- perlbal
- nagios
- exim
- postfix
- rsync
- rdiff-backup

**Other:**

- Docker
- Git
- XML
- XSLT
- Lotus Notes
- Subversion
- Mercurial
- vim
- gimp
- inkscape

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**LANGUAGES**

- **Norwegian:** Native
- **English:** Listening, reading and writing: proficient. Speaking: good.