

# Øyvind Skaar

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## EXPERIENCE

### IT-Consultant and freelancer, Skaar Solutions

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

May 2014 »  
Present

Design and build complex, scalable and fast back-end systems from the ground up. Typical clients are startups and others building something new. Preferred technologies are Go and the Google Cloud Platform.

Projects: <http://www.skaarsolutions.com/projects-and-customers/>

**Keywords: Backend architecture, Cloud computing, Programming, Linux & Open Source.**

Technologies: Go (golang), Google Cloud Platform (GCP), Perl, Python, App Engine, Docker, Linux, MySQL, PostgreSQL, Nginx, Apache, Redis, NSQ

### Software developer and system administrator

*Opoint AS, Akersgata 28, Oslo*

September 2010 » May  
2014

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

*Opoint AS, Akersgata 28, Oslo*

October 2005 » August  
2010

### IT-assistant, part-time

*Kristelig Gymnasium, Homansbakken 2, Oslo*

2004 »  
2005

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

*Norges Idrettshøgskole, Sognsveien 220, Oslo*

September 2001 » July  
2003

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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## EDUCATION

### Master of Science in Informatics

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

January 2008 » June  
2010

**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

*University of Oslo*

August 2004 » June  
2007

**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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**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:**

- Go
- Perl
- Python
- PHP
- Ruby
- C
- Assembly

**Cloud:**

- Google Cloud Platform:
  - App engine Standard (PaaS)
    - Go
    - Python
  - Cloud Storage (inc. signed urls)
  - Datastore
  - Compute Engine (IaaS)
    - (App Engine Flexible - Beta)
  - Digital Ocean (IaaS, running Docker)
  - Zetta.io (Norwegian IaaS, running Docker)

**Databases:**

- Google Datastore
- Postgresql
- MySQL
- Redis
- (CouchDB)

**Server daemons:**

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

**Operating systems:**

- Linux
- OpenBSD
- FreeBSD
- Windows

**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.