Øyvind Gerrard Skaar

Back-end programmer and architect for hire. I build scalable, distributed back-end systems that run in the cloud. Innovative and self motivated.

Grønlandsleiret 81
0190, OSLO, Norway
+47 482 78 480
hello@oyvindsk.com
https://oyvindsk.com

EXPERIENCE

Independent IT-Consultant — Devbyte AS / Skaar Solutions

Mai 2014 - Present

Back-end programmer and architect for hire. I design and build scalable and fast back-end systems from the ground up.

Innovative and self motivated. I thrive when facing hard technical challenges and never give up on getting things done.

Typical clients are startups and others building something new. Preferred technologies are Go and the Google Cloud Platform.

RELEVANT PROJECTS:

Intolife
2014 - d.d
Built and run their Intofood app (SaaS). The web-based application helps with data-input and report generation. It also exposes a HTTP API for data exchange with partners. http://intolife.no

reMarkable
2016 - 2020
reMarkable created a new type of device, a "paper tablet" to read, write and sketch on. I started working with them early on, when they were just 8 people. I designed the architecture for, and programmed, the first version of their cloud based backend system. https://www.remarkable.com

Schlumberger
Helping a few teams transition to the Web Services, Cloud (Google) and Go.

More information on my past and current projects can be found on my homepage: https://oyvindsk.com

Software developer and system administrator — Opoint AS

September 2010 - May 2014

Planning, designing and developing internal and external systems, mainly in Perl and PHP with MySQL and Redis backends. System

LANGUAGES

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

SKILLS

Cloud based back-end architecture:
Microservices, Modular "monoliths", "Event Driven" etc

Programming languages:
Go (golang)
Perl / Python /PHP /Ruby
C / Assembly

Cloud:

Google Cloud Platform (GCP):
 Kubernetes Engine
 PaaS: App Engine, Cloud Run
 IaaS: Compute Engine, Autoscaling Instance Groups etc
 Storage and databases:
 Cloud Storage (inc. signed urls), Datastore
 Cloud Pub/Sub, Cloud DNS

Digital Ocean
  (Iaas, running Docker)

Databases:
Google Datastore, Cloud Storage

administrator related tasks, such as implementing and maintaining mail and backup solutions.

Managing technical, and some non-technical, aspects of successful external projects.

Software developer and system administrator, part-time — Opoint AS

October 2005 - August 2010

IT-assistant, part-time — Kristelig Gymnasium

2004 - 2005

Configured and maintained desktop computers. Provided technical support for employees. Automated Operating System installation.

"IKT" intern — Norges Idrettshøgskole

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.

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 xlst etc.

Postgresql
MySQL
Redis

Server daemons:
Installed and administered several server daemons for web, email etc. For the most part open source based, on Linux.

Operating systems:
Linux
OpenBSD / FreeBSD
Windows

Tools:
Docker
Git

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