Resume for Øyvind Bakksjø, M.Sc.

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Contact information

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In search of the right balance

One should spend most of one's time doing what one is good at, but spend some time outside of the comfort zone; being challenged and learning new things.

The real world is full of distractions and interruptions. These can give you energy. But without time to focus in-depth on a task, one will never reach the wonderful FLOW state.

Work should be fun and enjoyable - but not all you live for. There must also be time and space for family, hobbies and vacation. Also we're all, to some extent, in it for the money.

Everything I do must be ethical and ultimately serve a meaningful purpose.

Summary of qualifications

Programming
- Object-oriented, imperative, functional, and dynamic languages
- Preference for compiled languages with static typing
- Skilled in designing working, testable, readable, maintainable software
- Reputation for "good taste", clean code and attention to detail
- Experienced designing/maintaining distributed, scalable, fault-tolerant systems
- Have worked on some frontends, but feel more at home in the backend

Organizational skills:
- Building software engineering organizations and culture
- Managing geographically distributed teams
- Agile project management
- Technical interviewing
- Experience working for startups as well as hyperscale companies
- Empathetic towards managers; I know what it's like :)

Work experience

Jul 2016 - present: CTO, [Arctic Circle Data Center](#)

Was instrumental in all aspects of building an organization and a product. To name some:

Designing a data center infrastructure. Designing the HW and SW architecture for a public cloud service. Recruiting DevOps and Software Engineers. Tech Lead for software development, in-house and outsourced. Product Management. Capacity planning and procurement. Partnership establishment. Developing business cases, business plans, strategies and investor pitches. Designing on-call routines and participating in on-call schedules. Customer support. Supplier management. Establishing automated monitoring, alerting rules and dashboards. Open sourcing of software. Presenting at conferences. Establishing physical offices. HR responsibilities.

Mar 2014 - June 2016: Principal Software Engineer, Yahoo

Containerization for efficient hardware utilization
Java, Docker, multi-IP host networking setup
Designer, developer & component owner

Develop distributed software orchestrator
Java, Scala, REST, Jersey
Designer, developer & component owner

Maintenance of [Vespa](#)'s Java container (HTTP and application server)
Java, OSGi, Netty, Jetty, Jersey, Servlets, Websocket
Developer & component owner

May 2013 - Feb 2014: Senior Software Engineer, Telenor Digital

[Authentication and Authorization](#) services
Java, OAuth, REST, JAX-RS, Jersey, memcached
Co-developer

Apr 2011 - Apr 2013: Software Development Manager, Telenor Comoyo

Head of Comoyo's Trondheim engineering office (~25 developers)
Product owner of [global ID system](#) and cloud management software
Java development lead
Office manager

Nov 2009 - Apr 2011: Consultant, working for Telenor Group

ID system (user database and authentication service for Telenor globally)

Java, NoSQL, Cassandra, Thrift, REST, Jersey, SSO, SAML
Co-developer

Instant messaging infrastructure
Java, IMAP, NoSQL, Cassandra, Thrift
Designer & developer

Unified communications application
Java, Android, Facebook APIs
Scrum Master, co-developer

Telco API middleware
Java, OSGi, Parlay X, SOAP, REST
Co-developer

Jun 2009 - Apr 2011: Co-founder & Partner, Ping AS

Instant messaging infrastructure and mobile application
Java ME/J2ME, bluetooth
The intellectual property rights (code) of Ping AS were acquired by Telenor Group in April 2011.

Jan 2006 - Jun 2009: Senior Software Engineer, Google

Hiring/Recruiting.
Technical interviews of >100 applicants for Software Engineering positions.

[Google Alerts](#):
Frontend reimplementation for rapid development and UI embeddability
Java, Google Web Toolkit (GWT), CSS
Big Data/Analytics: Click tracking, click-through ratio calculation & experiment support.
C++, MapReduce, Sawzall, dashboard generation, UI development
Automated monitoring & alerting
C++, Borgmon
Operations, Site Reliability, on-call pager duty.
Production pushes, incident handling, fire fighting

Streaming MapReduce: Distributed, fault-tolerant low-latency stream processing.
Technical Lead, Scrum Master & Developer: C++, protocol buffers, Borg, Borgmon

Feb 2002 - Dec 2005: Software engineer, Sun Microsystems

[Apache Derby](#): Various JDBC functionality, integration into Sun's software stack.
Java, JDBC, SQL, NetBeans, DRDA

Distributed management system for the *HADB* distributed DBMS.
Java, dynamic class loading, JGroups, JMX
Designer & developer

Feb 2000 - Feb 2002: Software engineer, Clustra.

Secondary index support in the Clustra distributed database system.
    C, C++, SQL

Distributed execution engine for relational algebra in the Clustra DBMS.
    C, C++, UDP, pthreads, SQL

August 1998 - January 2000: Co-founder, Initio IT-løsninger AS

Web development, internet connectivity at events (before wifi was ubiquitous)
    PHP, MySQL, Linux

1996 - 1999: Dun & Bradstreet Norway

Software for registration of accounting reports, for credit rating of companies.
    C++ development.

Education

2003: Russian, primary course.

Home studies; exams at the University of Tromsø, Norway.

1994 - 1999: M.Sc. in Computer Science.

Norwegian University of Science and Technology (NTNU), Trondheim, Norway.

1996 - 1997: Music, primary course.

Norwegian University of Science and Technology (NTNU), Trondheim, Norway.

1990 - 1993: Economic high school (handel og kontor).

Brønnøysund Videregående Skole.

Languages

Norwegian: Mother tongue.

English: Excellent

Russian: Fluent (conversational)

Interests and hobbies

Whitewater kayaking, skiing and other outdoor activities, cooking.