

Aasmund Eldhuset

Geek of all trades

Quick facts

Nationality:	Norwegian — the native spelling of my name is <i>Åsmund Eldhuset</i>
Occupation:	Computer programmer
Current residence:	San Francisco Bay Area, California, USA
Languages:	Norwegian (mother tongue), English (fluent), French (basic)
Website:	http://eldhuset.net (contains a more extensive resumé)
Email address:	<i>First name (dot) last name (at) gmail (dot) com</i> (Apologies for the obfuscation, but this document is available online, and I do not want spammers to harvest the address. Phone number is available upon request.)

While I consider myself to be a generalist and a full-stack developer, I am biased towards back end and lower-level technologies. I have a solid algorithms background, I am very fascinated by language theory and compilers, and I am capable of studying decompiled assembly code and heap dumps in order to trace mysterious bugs or memory leaks. I thrive as a member of teams consisting of people that are talented, enthusiastic, and friendly. I am a proponent of using whichever tool is the most well-suited for the task at hand, and I pick up new technologies and languages very quickly. My current skills, to which I am by no means confined, include Java, C#, C++, C, Python, JavaScript, Go, Matlab, SQL, and git.

Work experience (references are available upon request)

Medallia, Inc (USA): Senior Software Engineer, October 2014–present

I am currently a member of the Cloud Fabric team — we are creating Medallia's next generation cloud architecture and infrastructure for Operational Customer Experience Management, using technologies such as Aurora, Mesos, ZooKeeper, Kafka, and Docker. I have primarily been developing a deployer that runs on top of Aurora, and I have also made modifications to Docker in order to support the distributed filesystem Ceph.

Prior to that, I was a member of the External Services team, which owns the integration functionality of the Medallia system. I primarily worked with our configurable data import component, performing bugfixes, performance bottleneck analysis, and developing some new features. This also involved being on call 24/7 every sixth week.

In both teams, the programming language is Java 8, and the database engine is PostgreSQL 9.4.

Bekk Consulting AS (Norway): Senior Consultant, August 2009–September 2014 (Consultant prior to 2012)

Bekk is a Norwegian consulting company that performs software development, service design, and strategic advisory for companies and organizations in both the private and public sector. I have participated in a multitude of projects (see my website), doing full-stack web development with a focus on backend systems, primarily with C# and MS SQL Server.

Teaching

I was a Teaching Assistant at my university in several courses for nearly a decade, giving weekly repetition lectures. I have also, on occasion, given the main lectures. Below is a summary of my teaching experience.

- **TDT4262 Prototyping Interactive Media:** Lecturer (together with two others), 2014.
- **TDT4120 Algorithms and Data Structures:** Substitute lecturer (first two thirds of semester), 2013; TA, 2005–2008.
- **TMA4140 Discrete Mathematics:** TA, 2007–2014.
- **TDT4102 Procedural and Object-Oriented Programming (C++):** TA, 2008–2009
- **TDT4130 Procedure-Oriented Programming (Fortran):** Study Assistant, 2008

In addition, I would usually give unofficial repetition lectures in these and other subjects (including physics, calculus, Java, Python, and Matlab). I have also spoken at various meetups and been a mentor in children's programming classes.

Education

Degree:	Master of Technology in Computer Science (<i>Sivilingeniør i datateknikk</i>), 2009–2014
Specialization:	Complex computer systems (<i>Komplekse datasystemer</i>)
University:	Norwegian University of Science and Technology (<i>Norsk Teknisk-Naturvitenskapelige Universitet / NTNU</i>)
Thesis:	"Linear programming on the Cell/BE" (ECTS grade: A)
Grade average:	4.3 (ECTS scale: A = 5, E = 1)