

Kristian Sällberg | CV

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Keywords: System design & architecture, Distributed systems, Erlang, Haskell, Linux, Python, Java, git, svn, make, databases, testing software

Work Experience

Cisco Systems AB

Stockholm

Software Engineer

Aug 2015–Present

Working within a group responsible for network configuration and automation. Using our products ConfD and NSO, customers can speed up deployment of network services and decrease OPEX. I am part of the team responsible for an auto generated Command Line Interface. Customers write YANG models to define what their CLI will look like. In addition to this, I work on maintaining and extending a YANG compiler. I use Erlang/OTP.

Cisco Systems AB / Tail-f Systems

Stockholm

Master Thesis Student

Feb 2015–July 2015

Titled “A Data Model Driven Approach to Managing Network Functions Virtualization”. I developed a driver to enable a network configuration system (ConfD) to virtualize VMs, on top of libvirt. Using this driver, it is possible to launch and configure Virtual Network Functions (VNFs). VNFs allow network operators to implement network services faster. As a part of the work, I evaluated alternative approaches and compared them to the master thesis’ solution.

KTH

Stockholm

Teaching Assistant

Sep 2014–Oct 2014

Assisted master students with the course *Distributed Systems, Basic Course*. I helped setting up Erlang and answering questions on how to use Functional Programming and Erlang to solve the course assignments.

Tail-f Systems

Stockholm

Summer Intern

Jun 2014–Aug 2014

Python, Erlang, Compilers.

Crispin Porter Bogusky

Gothenburg

Interactive Developer

Jun 2009–Aug 2010

Followed to Crispin Porter Bogusky when Daddy Production (below) was acquired. I worked here during various school breaks until 2012.

Daddy Production

Gothenburg

Flash Developer

Feb 2008–Jun 2009

Front-end developer mainly using ActionScript 2/3. Produced advertising campaign sites and banners.

Lightmaker

Amsterdam

Technical Designer Intern

Sep 2007–Dec 2007

Web development. I did this right after High School with no other formal education.

Vectuz Webworks

Mjölby

Freelance Web Developer (Part Time)

Oct 2006–Feb 2007

Working with web development in spare time during high school.

Education

KTH **Stockholm**
MSc Software Engineering of Distributed Systems,
2013–2015

Distributed systems, peer-to-peer technology and network programming.

University of Gothenburg **Gothenburg**
BSc Computer Science,
2010–2013

Broad computer science bachelor. Courses ranging from machine level programming to concurrency and databases. I specialized in functional programming during the last year.

University of Glasgow **Glasgow**
Erasmus Exchange,
Aug 2012–Dec 2012

I spent one semester in Glasgow taking courses in functional programming, algorithms and programming language theory.

Volunteering

Software Passion Summit **Gothenburg**
Room Responsible
2012

Software Passion Summit was a technology conference focusing on development and testing.

University of Gothenburg **Gothenburg**
Student Representative
2011

Working on improving the course quality on courses *Testing Debugging Verification* and *Project course*.

Flash In The Can **Amsterdam**
Assistant Stage Manager
2010

FITC is a design and technology conference. I helped the Stage Manager of the venue's second largest stage keeping track of presenters, schedules and other volunteers.

Certifications

Exploration: Network Fundamentals: Cisco Systems, Inc. *June 2012 - Present*

Extra

Driver's License: B

Swedish: Native

English: Professional proficiency