

# Oskar Wickström *August 12, 1990*

oskar.wickstrom@gmail.com • +46 725 70 49 55 • wickstrom.tech  
github.com/owickstrom • Kommendörsgatan 9B – 21150 Malmö – Sweden

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## Profile

*I am a creative, skilled and motivated software developer with a passion for well designed and simple systems, and functional programming. With a thorough understanding of system design, implementation, automated testing, modern tools, and the Web, I am comfortable in many settings of software*

*projects. Combined with a strong eye for user interface design, and experience in cloud deployment and architecture, I work efficiently in large areas of modern technology stacks. As a fast learner and a socially skilled co-worker, I quickly adapt to new challenges, be they technical or not.*

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## Qualities

- Broad range of interests and strengths — languages, tools, and platforms.
- Focused on balancing business needs with elegant design maintainable code, and quality assurance.
- Perceptive, enthusiastic and a very fast learner.

## Specialities

- Software Architecture and Design
  - Functional Programming
  - Automated Testing
  - Web Development
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## Experience

### Symbiont

#### Software Engineer

Symbiont is the market-leading smart contracts platform for institutional applications of blockchain technology. My role has covered the maintenance and testing of the *Assembly* platform tooling.

REMOTE

*October '18 – Now*

### Mpowered

#### Tech Lead

Mpowered provides a suite of SaaS products that simplify B-BBEE compliance for South African companies. In the role of tech lead, I was responsible for the gradual migration and regression testing when moving from Ruby and Rails towards Haskell, including the company's core calculation engine, and new features in the system. Furthermore, I have worked on a CI and deployment chain using Nix and NixOS, providing a polyglot and fully declarative configuration for the multi-service system.

TECHNOLOGIES USED: Haskell, NixOS, nixops, PostgreSQL, MySQL, Ruby on Rails.

REMOTE

*July '17 – October '18*

### Empear/CodeScene

#### Software Developer, Partner

Empear delivers software analysis tool suite *CodeScene*, and related professional services, with an aim to revolutionize our ability to predict quality issues, identify team productivity bottlenecks and avoid unexpected maintenance costs in large software projects. I worked over the entire set of products, ranging from cloud deployment scripts, databases, distributed system design, and third-party integrations, to front-end web, interactive visualization, and graphical design.

TECHNOLOGIES USED: Clojure, Haskell, Elastic Beanstalk, CloudFormation, Route53, RDS.

MALMÖ, SWEDEN

*Feb '16 – May '17*

### Jayway

#### Backend Developer, AWS Consultant

I consulted on a migration from a legacy eCommerce site deployment to using Amazon Web Services, with auto-scaling, load-balancing, and multi-AZ deployment.

TECHNOLOGIES USED: EC2, CloudFormation, Route53, RDS.

MALMÖ, SWEDEN

*Dec '15 – Feb '16*

#### Web and Backend Developer

This project built a micro service architecture style system and platform for a media backup and library service. Focus on scalability, extensibility and loose coupling between components in the system, all leveraging the AWS infrastructure as much as possible. The core system provides the basic functionality and the platform part enables other teams and projects to plug in their functionality to enhance the experience or to feed their systems with data. Also responsible for developing a single-page web application using the aforementioned backend.

TECHNOLOGIES USED: Java, Clojure, NodeJS, Haskell, AWS, Kinesis, S3, SNS, SQS, and more.

*Sony Mobile, Dec '14 – Dec '15*

## Web and Backend Developer

Sony Mobile, Aug '13 – Dec '14

I worked with signature applications for Sony on Firefox OS, both as a developer, and as tech lead for an agile team of 4-6 developers. We built multiple applications using various front-end technologies. I was also responsible for developing the in-house GUI components library featuring a set of reusable components and base styling for the suite of Firefox OS apps.

TECHNOLOGIES USED: Firefox OS, AngularJS, HTML5, Less, CSS3, Javascript, Browserify, React, and more.

## Software Development Consultant

IKEA IT, Oct '12 – Aug '13

Infrastructure development and maintenance at IKEA IT, working primarily with in-house application frameworks and core services. I was responsible for the migration of one of the central business services, going to the latest backward-incompatible infrastructure.

TECHNOLOGIES USED: Java, Oracle.

## Stickybit

Malmö, Sweden

### Software Developer

ST-Ericsson, Mar '12 – Jul '12

Worked as a consultant and on internal projects. Primary project was a translation tool for hardware component design using Java, Spring, JavaCC. I also worked on a GUI application in .NET which generated documents from arbitrary data sources using an embedded IronPython runtime for easy customization.

## AddPro

Malmö, Sweden

### Software Developer

Malmö Redhawks, Feb '12

Internship at AddPro. I built a mobile site in EPiServer for the Malmö Redhawks hockey team, extending their existing CMS solution.

## Footprint Design

Kristianstad, Sweden

### Web Designer, Web Developer

Various Clients, Jan '11 – Jan '12

Footprint Design was a web design and web development company in ran myself during 2011. Primary tools for building the web applications were PHP, MySQL, Wordpress, jQuery, HTML5 and CSS3.

*References can be given on request.*

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## Education

EC Utbildning

HELSINGBORG, SWEDEN

### Systems Development

2011 – 2012

S:t Sigfrids Folkhögskola

VÄXJÖ, SWEDEN

### Jazz & Improvisation

2009 – 2010

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## Open Source and Community Highlights

- [Haskell at Work](#) is a screencast focused on practical Haskell programming, that I'm producing on my free time. It has a loyal base of contributors at patreon.com, and over 1,300 knowledge-hungry Haskellers subscribing on YouTube.
- Haskell projects: [pandoc-include-code](#) and [pandoc-emphasize-code](#) are Pandoc filters, written in Haskell, that I maintain. [DataFlow](#) is a tool that renders graphs using a declarative markup, which I created during my work at Sony Mobile.
- PureScript projects: [purescript-spec](#) is a testing framework for Purescript, inspired by hspecc for Haskell. [Hyper](#) is an experimental middleware architecture for HTTP servers written in PureScript, with various side-projects for server and client communication.
- [The Oden Programming Language](#) is an experimental, statically typed, functional programming language, built for the Go ecosystem. I worked on the language for the majority of 2016, rounding off in October.

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## Public Speaking

I regularly speak at software developer conferences and local meetups, about Haskell, PureScript, the Web, and other topics concerning my open-source work. I have spoken at CodeMesh, PolyConf, Curry On, LambdaWorld, and Lambda Days, amongst others.

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## Other Merits

In 2016, I received the [LUFOS Junior software engineer scholarship](#) at Lund University. I have started my own company, which aside from development included economics, customer relations and marketing. Prior to my career as a developer I studied music and worked as a musician, and I have arranged and performed in many constellations.