

# Ebby Wiselyn

---

Stockholm, Sweden  
Email: ebby.wiselyn@gmail.com  
Phone: +46 737696309

## Education

---

- **[2010-2012]** Uppsala University. Master Program in Computer Sciences. CGPA (4.3/5).
- **[2003-2007]** Anna University(Karunya Institute). Bachelor of Engineering in Computer Science, CGPA (8.16/10).

## Summary

---

- Over 6 years of professional experience covering Scala, Java, Erlang, C, GNU/Linux environment.
- Over 3 years of open source experience in GNU/Linux, GNOME and Novell Evolution.
- Ex-Programmer/Maintainer/Contributor for Linux, GNOME Desktop.
- Experience working in startups

## International Awards

---

- **[2007]** Google Summer of Code grant, for developing Evolution Google Calendar
- **[2008]** Gnome Foundation Member; Maintainer of Google Calendar Backend for Evolution Data Server.

## Technical Skills

---

- **Programming Languages**  
OO languages(Java, Python), C, Functional (Scala, Erlang, Scheme).
- **Software Management & Operating Systems**  
Emacs, Eclipse, GNU autotools (autoconf, automake, libtool), git, SVN, Bugzilla, GTK, Glib, Java 2d graphics, GNOME(Platform), GNU/Linux, ant, ivy.
- **Areas of Interest**  
Performance & Scalability, Concurrency, Advanced Algorithms, Event processing.

## Work Experience Profile

---

### 1. **[2014/06 – Now] Scypho AB ([www.scypho.com](http://www.scypho.com)) [Stockholm]**

#### **Description:**

Scypho AB is an IOT startup.

Responsible for Architecting, Designing and Implementing Scypho's core cloud services from scratch.

#### **Environment/Language:**

Scala, Play framework, Amazon EC2, Node.js, Kafka, PostgreSQL

### 2. **[2012/09 – 2014/05] King ([www.king.com](http://www.king.com)) / [Stockholm]**

#### **Description:**

Platform & DWH team of King, Backend developer for designing scalable platforms/frameworks for King games. Also worked on complex event processing for handling user traffic of over 8 billion events.(King games had the highest Daily Active Users in Facebook).

#### **Environment/Language:**

Java, Kafka, MySQL, memcached, Esper, Apache Spark, Hbase

### 3. **[2012/02 – 2012/08] Mobile Arts Stockholm (Internship/Master Thesis)**

#### **Description:**

GSM Voice Mail Service(VMS) TDM Call Control; The goal of This Thesis work is to

investigate the possibility to implement the call control parts of a Voice Mail call forwarding service in an existing GSM call service environment using RTP as media bearer and IP as signaling bearer towards the GSM handset. Using TDM as media bearer and ISUP/SS7 as signaling bearer towards an already existing VMS implementation.

**Environment/Language:**

Erlang/OTP, git, 3gpp specs.

**Role:**

- Implement GSM Call control signaling for call forwarding as per 3GPP spec

#### **4. [2009/06 – 2010/06] Wipro Technologies**

**Description:**

Unified Communication(UC) is a SDP practice within Wipro to provide a single container Enterprise solution for all means of communication. Office In a Box provides UC with managed LAN, managed security, managed storage.

**Environment/Language:**

GNU/Linux, Zimbra Collaboration Suite, Java, RHEL Cluster Suite

**Roles:**

- Part of the team that developed the UC stack.
- Worked in open source Zimbra Collaboration Suite; writing zimlets/plugin-ins to integrate, enterprise applications within the suite.

#### **5. [2007/06 – 2009/06] Wipro Technologies**

**Description:**

Developing the Blu-ray middleware stack; for Blu-ray players. BD-J refers to the application programming environment that support Blu-ray systems based on JavaTV specifications.

**Environment/Language:**

GNU/Linux, Java, J2ME, HAVI Level 2 UI, Java 2D graphics

**Roles:**

- Worked in Multimedia Home Platform; Blu-Ray Java middleware, including HAVI Level 2 User Interface and Java 2D Graphics.
- Implemented the HAVI Level 2 UI support for BD-J using xletviewer.
- Knowledge in BD-J specifications.

#### **6. [2007/04 – 2007/08] Google Summer of Code.**

**Description:**

*Google Summer of Code* sponsored by Google is a global program that offers student developers stipends to write code for various open source software projects

**Environment/Language:** GTK+, Glib, GNU/Linux, C, XML

**Roles:**

- Selected in Google Summer of Code 2007, as part of GNOME organization
- Worked on GNOME/Evolution; Implemented Google Calendar Feature integrating evolution email client with Google Calendar.
- Wrote a Google server backend providing Google data services.
- As part of GSOC 2007 designed and implemented *libgdata*. *libgdata* is a GLib-based library for accessing online service APIs using the GData protocol

#### **7. [2006/11 – 2007/03] Novell.**

**Description:**

Novell Open Source Internship; Novell provides an opportunity for the students to do this project under the guidance of Novell engineers on the open source products supported by Novell.

**Environment/Language:**

GTK+, Glib, C, GNU/Linux, Pango Cairo

**Roles:**

In House intern in Novell Bangalore;

- Wrote the print support for Evolution using GTK+ print APIs, Using Cairo library for Image rendering and Pango library for font rendering
- Worked around calendar, tasks, address book, and mailer component of Novell Evolution
- Fixed Critical bugs and participated in product releases.

## Academic Work Experience

---

- **GSM Call Service – Mobile Arts**

Implemented GSM call service in Erlang/OTP according to existing 3gpp standards. The project was done in collaboration with Mobile Arts; part of Project CS 2011 course in Uppsala.

**Key Features:** GSM call service using an existing BTS, BSC. Implement the crucial MSC control flow and data flow logic.

**Role:** Programmer, (Implemented Mobile User Service, signaling of MO, MT, Gateway module).

**Language / Technologies :** Erlang / OTP

**Team Size :** 9

- **Android Sensor Application / Twimight Twitter Client**

Developed android sensor application for disaster ready twitter android application Twimight. The integration was demoed as part of the ExtremeCom 2011 held in Amazon.

**Key Features:** Audio / Speech Classification, Activity Recognition, Integration with Twimight android twitter client, Java, Android.

This was a proof of concept for the paper which won the best paper in extremecom 2011

**Link:**

<http://code.google.com/p/android-sensor-twitteth/source/checkout>  
[http://people.ee.ethz.ch/~hossmath/papers/extremecom11\\_twimight.pdf](http://people.ee.ethz.ch/~hossmath/papers/extremecom11_twimight.pdf)

## Volunteer Work Experience

---

- **[2007/06 – 2009/06] GNOME foundation member**

The GNOME Foundation is a non-profit organization that works to further the goal of the GNOME project: to create a computing platform for use by the general public that is completely free software.

- **[2006 - Now] GNOME Bugzilla**

Active in triaging and fixing bugs having a score of over 13 points.

## Links

---

- **Open Source Experience**

<http://ubuntu.wordpress.com/2006/12/18/sync-evolution-calendar-with-google-calendar/>  
<http://svn.gnome.org/viewvc/evolution-data-server/trunk/servers/google/>  
<http://www.linux.com/news/software/applications/8226-how-to-sync-evolution-with-googles-pim-apps>  
<http://code.google.com/p/gdata-gobject-client/>  
<http://live.gnome.org/SummerOfCode2007/AcceptedProposals>  
<https://github.com/ebbywiselyn>