Oscar Hellström

Date of birth: April 1983

Contact

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Education

BSc in Applied Information Technology, IT University of Göteborg, 2007

High School, Telecommunications and Computer Science, Göteborgs Tekniska Institut, 2003

High School, Carmel Adventist College, Australia, Exchange Student, 2001

Languages

Fluent in English and Swedish

Employment history

Vinnter AB — Gothenburg, Sweden
Embedded product developer — 2013 - Present

Currently worknig with enrolment, provisining and authentication servers. Developing support for Hardware Security Modules touching a wide range of technology, from Embedded development in C/C++ to J2EE and Spring.

IEXTAS AB — Gothenburg, Sweden
Software engineer / Consultant — 2009 - 2013

Design and maintenance of an automated test system for SGSN/MME nodes, including simulation of hardware, radio and core network nodes etc. Working with 3GPP protocol implementations, virtual machines and networks, Linux and VxWorks.

Design and development of sever-side athentication services and APIs for a number of environments, including Windows, Linux, AIX. Working with authentication standards such as OATH and CAP, integrating with Hardware Security Modules.

Erlang Training and Consulting — London, UK
Software engineer — 2007 - 2009

Mainly working as technical lead on a commercial project for a large customer involving mobile devices and Internet protocols. Also responsible for system administration of all hosted and internal systems, some effort estimation for new project proposals and supporting other projects when needed. Have worked on a mobile messaging gateway where protocol translations from Wirless Village to most major IM protocols was implemented. Have been involved with ICQ, MSN and GTalk/XMPP. Have held an Erlang presentation for the BCS Spa group[1] and planned and executed commercial Erlang workshops.

Göteborg University — Göteborg, Sweden
Course Assistant — 2005 - 2007

Assisting students during a Java programming course, a data structures and algorithms course, also with Java, and an artificial intelligence course, where students would solve weekly AI problems with Erlang. Graded student assignments and held workshops throughout the courses. Also planned and held some lectures when needed.

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[1] http://www.bcs-spa.org/

Erlang Training and Consulting   London, UK
Summer Internship, Developer   Summer 2006

Designed and developed an interface to Asterisk from Erlang. Also worked on
MySQL bindings through an Erlang linked in driver in a larger commercial
project. Installed and maintained an Asterisk PBX for the London office.

Burger King Sweden KB   Göteborg, Sweden
Shift Manager / Restaurant Assistant   2002 - 2004

Planned and supervised shifts. Was responsible for training of new staff, stock
keeping and ordering. Also worked in production.

Other projects

Advanced Vehicle Safety Systems
IT University of Göteborg, Spring 2006

Part of project management group as chief architect during the AVSS project. About
thirty students divided in five teams implemented a scale model using range sensors and
cameras to develop algorithms for advanced vehicle safety systems. During the project,
both a simulation environment completely in software and the scale model was used.

Voice calendar
IT University of Göteborg, Spring 2005

Part of a group of six students who implemented a calendar designed for visually impaired
and blind people. The system would run on a Symbian Series 60 mobile phone where the
UI was read by a screen reader. The calendar would record small voice messages instead
of having the user entering text on the device.

Open source

Erlang HTTP Client

Main author of an HTTP client implemented in Erlang. The client was originally devel-
oped and released as open source during my time at Erlang Training and Consulting.

https://github.com/esl/lhttpc

Erlang plugin for Vim

Previous maintainer of a collection of Erlang plugins for the editor Vim.

http://www.github.com/oscarh/vimerl

Additional information

- **Software design and architecture**
  Good knowledge of object oriented design and development, functional design and devel-
  opment and relational database design.
- **Programming skills**
  Good knowledge of C, C++, Java, Erlang, Python, HTML, CSS, SQL and Unix systems
  programming. Good knowledge of version control, branching strategies etc., including
  software clients Git, Subversion, ClearCase and Perforce. Knowledge of OCaml, Ruby
  and Symbian systems programming.
- **Computing skills**
  Good knowledge of Linux and UNIX type systems. Knowledge of Windows XP and Vista.
- **Swedish driving licence**

References

References upon request.