

CONTACT INFORMATION	Björn Jensen-Urstad Skeppargatan 96 115 31 Stockholm Sweden	Mobile: +46-70-0222948 E-mail: bjorn.jensen.urstad@gmail.com WWW: http://www.bolg.se/ Github: https://github.com/b3rnie/
QUALIFICATIONS AND INTERESTS	Distributed systems, Erlang/OTP, embedded systems, low power embedded, software development, scaling, databases, protocols, functional programming, low level programming, fault tolerance, network protocols, eventual consistency, software architecture, message queues	
AVAILABILITY	<ul style="list-style-type: none"> • Start time is negotiable; may be possible to start immediately • Geographic location is flexible, but there is preference for Stockholm, Sweden 	
EDUCATION	Royal Institute of Technology , Stockholm, Sweden B.S., Computer Science, 2006-2010, specializing in software development MS.S., Computer Science, 2002-2004, four semesters out of 9 Hersby gymnasium , Lidingö, Sweden Upper secondary school, 1997-2000	
PROFESSIONAL EXPERIENCE	Klarna , Stockholm, Sweden <u>Developer</u> March 2010 to January 2013 <ul style="list-style-type: none"> • Extended an existing transactional database (Mnesia) with features to allow parts of the data to be shared (read/written) in an eventual consistent manner. This involved writing a framework to allow easy transformation of keys/values between two very different databases with different availability requirements, adding vector clocks to an existing database schema and mechanisms to transport/sync data over RabbitMQ • Architecture and implementation of the alpha version of Klarna's checkout • Experiments with automatic fraud detection • Rewrote and replaced Klarna's old fraud checking system with a DSL accessible through a web GUI. This gave staff more freedom to express what they want and the possibility to change rules without involving developers • Lots of minor features for the business such as integrating with new credit check agencies, refactoring code Posten AB , Stockholm, Sweden <u>Mailman</u> 2001 to 2002 and 2004 to 2005	
MEMBERSHIPS	<u>Housing Cooperative, Bjornligan</u> 2007-2010 <ul style="list-style-type: none"> • Board of directors and responsible for the economy <u>EFF (Electronic Frontier Foundation)</u> 2010-	
SERVICE	Written several open-source projects, including: <ul style="list-style-type: none"> • Crontab implementation in Erlang • Unique id generator in Erlang • NNTP fetcher/assembler in Perl • Socks 4/5 proxy in C++ (single thread using nonblocking IO) 	

SKILLS	<p>Software development:</p> <ul style="list-style-type: none"> • Worked with Scrum, Kanban, Git, Subversion, test driven development, property based testing <p>Computer Programming:</p> <ul style="list-style-type: none"> • Excellent knowledge of Erlang/OTP and functional programming • Good knowledge of C, C++, Perl, Java, PHP, Ruby • Experience with JavaScript, Python, Haskell, Prolog, VHDL, XML/XSLT, nios2 and PIC assembly <p>Information/Internet Technology:</p> <ul style="list-style-type: none"> • Written my own TCP/IP stack running on a 8 bit microcontroller. From transport layer up to application layer (Ethernet, ARP, IP, ICMP, TCP, UDP). Implemented a simple webserver and bittorrent tracker on top of it • Written servers and or clients for FTP, HTTP 1.0/1.1, SMTP, DNS, POP3, Jxta, NNTP, Irc, BitTorrent and Socks 4/5 • Done web development in PHP, Ruby on Rails, Perl, CGI, Yaws <p>Operating Systems/Software:</p> <ul style="list-style-type: none"> • GNU/Linux user since 1996, experience with OpenBSD and Solaris • Experience with Apache, PostgreSQL, Bind, Riak, Rails, Spring, JPA, Hibernate, RabbitMQ <p>Hardware/Embedded systems:</p> <ul style="list-style-type: none"> • Experience with PCB design and creation in CadSoft Eagle (2-sided), digital electronics, low power embedded systems, Microchip PIC 8 bit family
EXTRA-CURRICULAR ACTIVITIES	<p>My current passion is rock-climbing, in particular sport-climbing and trad-climbing. Diving has also been a big interest in my life for the last 7 years and I enjoy all parts of it, from advanced cave-diving and deep-diving to educating new divers.</p>
OTHER	<p>I speak/write Swedish fluently and have some German skills. I have a drivers licence.</p>
REFERENCES	<p>Available upon request.</p>
MORE INFORMATION	<p>More information and auxiliary documents can be found at http://www.bolg.se/.</p>