

CONTACT INFORMATION	Björn Jensen-Urstad Skeppargatan 96 115 31 Stockholm Sweden	Mobile: +46-70-0222948 E-mail: bjorn.jensen.urstad@gmail.com 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"> 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	Kivra AB , Stockholm, Sweden <u>Developer</u> March 2013 to September 2013 <ul style="list-style-type: none"> Architecture, development and maintenance of a service oriented system Klarna AB , 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 databses with different availability requirements, adding vector clocks to an existing database schema and mechanisms to transport/sync data over RabbitMQ. The databases are the core of a business with a monthly revenue of 200 million USD 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	<p>Written several open-source projects, including:</p> <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, ZooKeeper <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>