

CONTACT INFORMATION	Björn Jensen-Urstad Skeppargatan 96 115 31 Stockholm Sweden	Mobile: +46-70-0222948 E-mail: bjorn.jensen.urstad@gmail.com Github: <a href="https://github.com/b3rnie/">https://github.com/b3rnie/</a>
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"> <li>Geographic location is flexible, but there is preference for Stockholm, Sweden</li> </ul>	
EDUCATION	<b>Royal Institute of Technology</b> , Stockholm, Sweden B.S., Computer Science, 2006-2010, specializing in software development MS.S., Computer Science, 2002-2004, four semesters out of 9 <b>Hersby gymnasium</b> , Lidingö, Sweden Upper secondary school, 1997-2000	
PROFESSIONAL EXPERIENCE	<b>Self employed</b> , Stockholm, Sweden <u>IT Consulting</u> <b>August 2013-</b> <b>Kivra AB</b> , Stockholm, Sweden <u>Developer</u> <b>March 2013 to September 2013</b> <ul style="list-style-type: none"> <li>Architecture, development and maintenance of the services that made up Kivra's system.</li> </ul> <b>Klarna AB</b> , Stockholm, Sweden <u>Developer</u> <b>March 2010 to January 2013</b> <ul style="list-style-type: none"> <li>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. The databases are the core of a business with a monthly revenue of 200 million USD</li> <li>Architecture and implementation of the alpha version of Klarna's checkout</li> <li>Experiments with automatic fraud detection</li> <li>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</li> <li>Lots of minor features for the business such as integrating with new credit check agencies, refactoring code</li> </ul> <b>Posten AB</b> , Stockholm, Sweden <u>Mailman</u> <b>2001 to 2002 and 2004 to 2005</b>	
MEMBERSHIPS	<u>Housing Cooperative, Bjornligan</u> <b>2007-2010</b> <ul style="list-style-type: none"> <li>Board of directors and responsible for the economy</li> </ul> <u>EFF (Electronic Frontier Foundation)</u> <b>2010-</b>	

SERVICE	<p>Written several open-source projects, including:</p> <ul style="list-style-type: none"> <li>• Crontab implementation in Erlang</li> <li>• Unique id generator in Erlang</li> <li>• NNTP fetcher/assembler in Perl</li> <li>• Socks 4/5 proxy in C++ (single thread using nonblocking IO)</li> </ul>
SKILLS	<p>Software development:</p> <ul style="list-style-type: none"> <li>• Worked with Scrum, Kanban, Git, Subversion, test driven development, property based testing</li> </ul> <p>Computer Programming:</p> <ul style="list-style-type: none"> <li>• Excellent knowledge of Erlang/OTP and functional programming</li> <li>• Good knowledge of C, C++, Perl, Java, PHP, Ruby</li> <li>• Experience with JavaScript, Python, Haskell, Prolog, VHDL, XML/XSLT, nios2 and PIC assembly</li> </ul> <p>Information/Internet Technology:</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Written servers and or clients for FTP, HTTP 1.0/1.1, SMTP, DNS, POP3, Jxta, NNTP, Irc, BitTorrent and Socks 4/5</li> <li>• Done web development in PHP, Ruby on Rails, Perl, CGI, Yaws</li> </ul> <p>Operating Systems/Software:</p> <ul style="list-style-type: none"> <li>• GNU/Linux user since 1996, experience with OpenBSD and Solaris</li> <li>• Experience with Apache, PostgreSQL, Bind, Riak, Rails, Spring, JPA, Hibernate, RabbitMQ, ZooKeeper, HAProxy</li> </ul> <p>Hardware/Embedded systems:</p> <ul style="list-style-type: none"> <li>• Experience with PCB design and creation in CadSoft Eagle (2-sided), digital electronics, low power embedded systems, Microchip PIC 8 bit family</li> </ul>
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>