

Jan M. Harasym

SENIOR INFRASTRUCTURE ENGINEER

Ehrensvärdsgatan 3, Malmö, Skåne, Sweden, 212-13

✉ jharasym@linux.com | 🏠 dijit.sh | 📺 dijit | 🌐 jharasym | 🐦 @dijit | 📧 dijit-d

“Nobody knows what I do until I don’t do it.”

Skills

Operating Systems	Solaris, OpenBSD, FreeBSD, Debian Linux, RHEL
High Proficiencies	PostgreSQL, SaltStack, postfix & Cyrus mail, Video Streaming (DASH), Zabbix
General Proficiency	Automation (Python, bash), cfengine, chef, nagios, graphite, kibana, flume, MySQL, perforce and others
Programming	Python, Ruby, Elementary C/C++, LaTeX
Web	Django with Python, Express with Node.JS, HTML5, LESS
Languages	English (native), Swedish (limited), Finnish (limited), Russian (elementary)

Experience

Ubisoft Massive

Malmö, Sweden

SENIOR INFRASTRUCTURE ENGINEER

Sep. 2014 - PRESENT

- Reimagined configuration management in SaltStack,
- .. deprecating cfengine and chef for over 1,900 physical machines
- Implemented deterministic sharding cluster on top of PostgreSQL,
- studied database internals for 4 months, to better support an always online upcoming title.
- Part of a 2-man team leading infrastructure architecture and deployment of 76000 logical cores and 486TB of ram
- Designed a deployment process which allows physical servers to be deployed in under 20 minutes (windows or linux)

Firebox

London, UK

TECHNICAL OPERATIONS MANAGER

Jun. 2012 - Aug. 2014

“Firebox.com is an e-commerce company based in London, England, that was created in 1998 as hotbox.co.uk.”

- Sole-systems administrator on staff, head of “everything with a power socket”
- Was on call 24/7 and ultimately responsible for a large section of the company.
- Managed, OpenBSD, Solaris, Nexenta/IllumOS, Ubuntu Linux, RedHat Enterprise Linux, OSX, and Windows desktops and servers
- Maintained e-commerce system, and high-throughput marketing email systems

Venda

London, UK

SENIOR SYSTEMS ADMINISTRATOR

Jun. 2011 - Jun. 2012

“Venda, Inc. is the worlds largest SaaS provider of on-demand e-commerce to some of the world’s leading retailers and manufacturers, including De Beers, Tesco, JVC, TK Maxx, The Metropolitan Museum of Art, Perry Ellis, Conde Naste, Universal Music and Urban Outfitters. Venda provides e-commerce services such as online shopping to mid-tier and Fortune 1000 companies for a monthly fee.”

- Was twice promoted due to exceptional skill and behaviour in first year
- Created unfathomable amounts of documentation, cleared outstanding ticket backlog and automated large amounts of processes.

Nokia

Helsinki, Finland

LINUX SYSTEMS ADMINISTRATOR

Feb. 2011 - Jun. 2011

- Tech support for developers working on MeeGO in Ruoholahti R&D Department at Nokia
- Learned how businesses operated, I worked closely with seasoned systems administrators
- Supported the python based atomic builds team
- gained a deep insight into Linux kernel tunables and internals and “The way Computers work” from a very accomplished prominent kernel hacker

DarkScience Communications ltd.

Coventry, UK

UNIX SYSTEMS ENGINEER

Sep. 2013, Mar. 2011 - Oct. 2011

- Maintained high availability website.
- Conducted several “best practice” tasks with the more senior administrators.

West Midlands Police

VOLUNTEER DIGITAL FORENSICS ANALYST

Coventry, UK

Jul. 2007 - Nov. 2010

“Criminal Investigations Division of West Midlands Police. (CID)”

- Data collection, data recovery, and forensic examination as required.
- Research into forensic examination possibilities with available capabilities.
- Process and procedure documentation creation, maintenance, and improvement.

Education

Birmingham Metropolitan

BTEC HIGHER NATIONAL DIPLOMA IN COMPUTER SCIENCE & UNIX ADMINISTRATION

Birmingham, UK

Sep. 2006 - Jun 2008

- Dux Litterarum of class '08

Extracurricular Activity

libsecure.so

SENIOR OPERATOR

Global

Nov. 2007 - Dec. 2017

- Gained crucial leadership and project management experience.
- Learned about shared hosting, configuration management and networking
- Held programming challenges and capture the flag events.
- Hosted Mail/IRC/SILC and other communications used 24/7 by 250+ members. (at personal expense)

Flagrun Networks

ADMINISTRATOR

Global

Jun. 2012 - PRESENT

- Helped maintain global gameservers and VPN's for 'LAN Party' events
- Maintained VOIP system for real time coordination/communication.

forskningsavd :: The Research Department

MEMBER

Malmö, Sweden

Nov. 2014 - PRESENT

- Assisted in hosting considerable build farm for programming experiments and hosting.
- Reformed Email/SILC systems for communications.

Presentation

E3 :: Electronics Entertainment Expo

TOM CLANCY'S THE DIVISION

Los Angeles, USA

Jun. 2015

- Demoist for Tom Clancy's The Division;
- Set up demonstration environment, calibration of monitors, Xbox's etc.
- Ran game server environment locally
- Live debugging of issues and resolution

2600 Birmingham Conference

"OPCODES" THE MODERN BLUEBOX

Birmingham, UK

Sep. 2012

- Presented research into fuzzing phone systems and finding "OPCODES" which enable debug features
- Discussed Mobile Security albeit briefly

Coventry University

TALK ON BTRFS AND THE FUTURE OF LINUX FILESYSTEMS

Coventry, UK

Feb. 2010

- Introduced BTRFS and it's impact on the filesystem space on Linux
- Compared features and performance with a battery of tests and examples

Technology in personal life.

“In my personal life I maintain an IRC network which spans the globe with a 99.97% uptime in the last 5 years which (at time of writing) is home to 230 internet denizens. I also host an online forum, both of these places are frequented by programmers, system administrators, security/privacy enthusiasts and hardware hackers (many of whom are students in universities across the world), it has been a trove of information and has often given me insights into new ways of looking at things — it has also taught me fantastic leadership skills, planning events carefully and avoiding undesirable behaviour with a firm but delicate hand which has had the effect of teaching me basic politics, and diplomacy”