

# Henrik Jess Nielsen

Computer Engineer



## Address

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## Mail

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## Web & Git

i80 kode Repo

## Programming



## OS Preference

GNU/Linux ★★★★★  
Unix ★★★★★  
MacOS ★★★★★  
Windows ★★★★★

## Personal Skills



## Summary

[Resume](#)

IT professional offering vast experience leverage software engineering and DevOps methodologies to deliver highly effective solutions.

Strong in design and integration problem solving skills, within business plans, requirements specifications, user-documentation, and architectural systems research. Analytical skills to develop IT and business strategies employing cutting-edge technologies to increase productivity

## Experience

- 2016 **Software Engineer - DevOp / Lead Dev.** [eResponse](#)  
Q & A operations, Quality control and people project management. Implementation of various internet-based applications. Expert in a variety of platforms, languages, and embedded systems - designer, developer, and tester.
- 2015 **Internship** [Zentao ApS](#)  
Management and migration of servers. Development of web templates and interfaces. Management of SQL databases, development of end solution for clients.
- 2014 **Self employed Software Engineer** [i80](#)  
Software company with special solutions, for special projects. Extensive background in full life circle software solutions, requirements gathering, design, coding, debugging and maintenance.
- 2011 **Electrical Engineer** [FI.Smidth](#)  
Identifying strategic improvements to product life cycle (LEAN) and product testing and validation. Troubleshooting on commercial and industrial installations on site (Global sites). Planning of projects, maintenance and calibration of equipment and systems.

## Education

- 2011 **Degree in Computer Engineering** [EASJ Sealand - Denmark](#)  
Curriculum Networking and Multimedia.  
Main subjects: Network Applications, Systems Architecture and Security, Network security  
Sub subjects:, Mobile Applications, Multimedia Information Processing.
- 2005 **TEQ** [Frederiksberg Tekniske Skole](#)  
Good understanding of Electrical Drawings, Planning of Projects, Erection and Maintenance.  
Both practical as well as theoretical knowledge of Different Electrical Instruments.  
Projecting and pricing projects

## Other Information

### Places Lived



### Languages

Danish ★★★★★  
Swedish ★★★★★  
German ★★★★★  
English ★★★★★

#### Experience **Linux and Unix systems**

[All major Linux Distributions, Solaris, Some \\*BSD based](#)

- Over 18+ years experience of Linux Systems
- Installation, troubleshooting, Monitoring on Debian Linux, RedHat Linux, Ubuntu, CentOS, and web-application servers (and VMware ESXi instances)
- Customized patching and maintenance of Linux servers on regular schedule.
- Managed systems, backup, storage systems, which includes administration of Shell scripts do security and compliance for visualized environment (Python, Bash, Shell Scripting).
- Knowledge in tools like VI, Nano, Joe editors, putty client, SCP, Wireshark, telnet, rlogin, TCpdump, Snoop, Winscp and many more.
- Configured and implemented backup of servers and databases
- Installed, configured and used Nagios to administer and monitor SNMP, Syslog, hosts which includes routers, switches
- Setup of full networking services and protocols including NIS/NFS, TFTP, FTP, DNS, SSH, DHCP, TCP/IP, SNMP, SSL, and creating security certificates for the servers to insure optimal networking.
- Manage configuration / installing SSH, NTP, TCP/IP, Routing, DHCP, MRTG, Nagios agents, Intrusion Detection, handling logfiles, Load balancing (Nginx, Haproxy, Varnish, Memcache), Client Software installation, SSH2, PHP, file systems spaces, logical volumes
- Setting and maintaining servers graylog2, elastic search, and MongoDB for logging.

#### **Troubleshooting UNIX/Linux problems**

- User and Group administration in Linux
- Day to day resolving ticket issues.
- Knowledge of installing all major Linux systems from scratch using kick start and PXE boot.
- Migration to VMware to ESXi platform.
- Diagnosing and resolving systems related tasks in accordance with priorities setup in dealing with trouble tickets.
- Install, configure, tuning, security, backup, recovery and upgrades of major Linux systems
- Regular work involving building new Linux Physical and Virtual servers using Kick-start and PXE

#### Experience **Web Frameworks systems**

[Django, Pyramid, Flask, Laravel](#)

- Developing CMS/Web applications systems using Django, Pyramid, Laravel and developing backend RESTFull services with Flask.
- Frontend development using XHTML, HTML5, CSS, Javascript, and the use of Javascript frameworks as Bootstrap, REACT, AngularJS and JQuery
- Integration with various systems, example Apache solr/Elasticsearch, and third party providers as MailChimp, E-Conomic, CPSMS, Facebook
- Customizing sites and developing extensions in PHP, running frameworks as Drupal, WordPress, Joomla