

Ian Wilson | Linux Nerd

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Education

Confidential

B.S.E.E.

1998–2002

Electrical and Computer Engineering

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M.B.A.

2002–2004

Focused on Non-Profit and Governmental leadership

Experience

Salaried Positions.....

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Washington, D.C.

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2010–current

Responsible for maintaining the build, release, secure, and deployment tool set for the government services branch. Maintained ITAR and sensitive project compliance and performed security sweeps of the network in addition to verifying third-party security scans. Moved ITAR compliant items from an in-house data center to Amazon's GovCloud. Promoted a DevOps culture by being a technical leader for chef, vagrant, docker, packer, and other tools to push and promote leaner software deployment times for teams and other projects.

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Utility/Build Engineer

2005–2009

Responsible for the support and success of our internal data center deployments. Promoted to engineering team after two years in support, working in a release and utility/tools engineering role. Maintained both internal, as well as externally facing installations of our J2EE based software. Pushed for, and developed the software for packaging our software into an RPM format, then maintaining a yum repository for ease of upgrades. Worked hand-in-hand with the Professional Services team to build, deploy, and maintain one-off pieces of software for government clients. Traveled to customer sites to troubleshoot issues when needed.

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Engineer and Project Manager

2002–2005

Responsible for the design, build, and deployment of custom point-of-sales solutions for small businesses to large (Fortune 10+) customers.

Contract/Placed Positions.....

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On-Site Devops Manager

2016–Current

Responsible for leading a team of on-shore and off-shore resources dedicated to a complete microservices based rebuild of a top hospitality website, hosted on an Openshift-powered kubernetes cluster.

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Devops Architect

2016

Responsible for designing, building and deploying a J2EE based application in an Amazon Elastic Container Service powered docker cluster with Jenkins managing the build and deployment process.

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Cloud Architect

Responsible for the move of a banking consortium's online reconciliation platform application from a traditional hosting environment to Amazon Web Services by building custom Amazon Machine Images (AMI's) and Cloudformation Templates.

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2016

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Infrastructure Specialist

Responsible for the design, build, monitoring, performance/load testing, and roll out of the Hadoop Cluster for monitoring every event from the Company's subscriber base.

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2015

Non-profit/Volunteer.....

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Provided a gratis platform for Constables within the Commonwealth of Pennsylvania to communicate with and exchange information with on a secure platform about wanted offenders.

Harrisburg, PA

2013

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Member, Board Member, and Former President of an educational non-profit space.

Cincinnati, Ohio

2010-2016

Interests

Farming: I own and have lived on a 400 acre farm in Eastern Kentucky. I have increased yields and made my 'farming' operations more efficient and better for the environment by embracing technology in my farming operations. Drones help me identify which areas to apply pesticides upon, RFID-enabled cattle tags let me see trends in how my cattle are eating/drinking, and help me identify problems before they become critical issues with my herd.

Blowing Glass: I have my own hot shop to blow and mold glass. My primary use is building mirrors and optics for telescopes, however, I do some art projects as well.

Electronics: I tend to build my own electronics and motor controllers for various projects that I have worked on.

Technology skills

15+ Years: System Administration (RedHat, Gentoo, Debian, Ubuntu, SuSE, Windows, Solaris, FreeBSD), Shell and Scripting Languages (Bash, Ruby, Python, Node.js), Database Administration (MySQL/MariaDB, Postgresql, Oracle, MongoDB)

10 Years: Building, Testing, Packaging, and Deploying Software (Jenkins, Bamboo, Cruise Control, Spinnaker, Go, Gauge), Monitoring and Performance Tuning (Nagios, Splunk, Cacti, New Relic), Building and consuming API's, Continuous Integration, Continuous Delivery, Continuous Security, NetApp and EMC/Dell SAN,

5 Years: Cloud Technologies (AWS, OpenStack, GCE, Azure), Hadoop, Cassandra, HPC, SCM (Puppet, Chef, Ansible, Salt), Computer Vision Systems, Hardware hacking, Penetration Testing and Auditing, Intrusion Detection and Analysis, Fastly/Akamasi CDN Administration, Packer/Building AMI's with Boto, Terraform/Cloud Formation Deployments.

2 years: Openshift, Docker, Containerization, CoreOS, HAProxy, Varnish, rkt, Concourse.ci, GoLang, Angular.js, Scala Build Tool, Play Framework, Dynatrace and AppDynamics Application Monitoring Platforms