

MATTHEW URBANSKI

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EDUCATION

Pace University New York, NY, USA • Bachelor of Science in Computer Science, 2006-2009

US Army Signal Corps Fort Gordon, GA • Signal Support Systems Specialist (Secret Clearance), 2004-2006

WORK HISTORY

Steeprock Inc - Operations Group (September 2011-Present)

Software Engineer/Systems Administrator *Atlanta, GA*

- Migrated Dev, QA, and Production environments to Puppet deployment
- Built a library of puppet modules for deploying and testing Steeprock's application
- Maintained issue tracking and documentation systems
- Trained other admins and developers to use puppet to make everyone's lives easier

Aedgency - Infrastructure Group (February 2011-May 2011)

Software Engineer/Systems Administrator *Barcelona, Spain*

- Deployed and maintained hundreds of production, test, and development servers using puppet
- Supported with the .net and python teams maintaining their applications and code using continuous integration in Jenkins
- Maintained a Pan-European advertising network consisting of hundreds of physical (RHEL) and virtualized (KVM) servers across dedicated and leased links
- Configured and purchased new servers for growing needs in new markets
- Maintained day-to-day uptime, sanity, and health of servers and services running on them

Algo Engineering (June 2008 - December 2010)

CTO *New York, NY, London, UK*

- Designed, built, and maintained a low-latency, redundant, dark fiber MAN with execution access to all local markets
- Leveraged Infiniband technologies to achieve near zero latency in local host to host communication
- Configured and maintained all networking equipment (routers and switches) for transport around Algo's dark fiber ring using IGMPv4, ip pim, OSPF
- Built a high-level packet timestamping FPGA device using NetFPGA
- Solely responsible for all network and trading operations, 24/7 including archival of trading and strategy backups and financial compliance data

Magicworks (April 2007 - June 2008)

Lead Sysadmin *New York, NY*

- Migrated the trading platform and all servers from 32 bit to 64 bit
- Redesigned the network I inherited with the position and measurably improved security and reliability
- Wrote and maintained network documentation

Insight Enterprises (December 2006 - June 2007)

Lead Technician, Onsite Project Manager *New York, NY*

- Trained teams of barely literate technicians to install and troubleshoot hardware and software in a retail banking environment
- Visited sites to estimate the amount of manpower and time that would be required for each job
- Took initiative to give corporate attention to competent technicians and incentivise poor technicians to find other opportunities. I was promoted for this effort.

United States Army 204th Military Intelligence Battalion (during army service 2004-2006)

S6, Electronic Warfare Office *Fort Bliss, TX*

- Maintained, installed, and repaired the TROJAN LITE (AN/TSQ-226) VSAT Terminal.
- Responsible for Issuing and maintaining battalion COMSEC
- Performed load and unload operations of crypto on DHC-7, C-12, C-17 Aircrafts and associated RF equipment

SKILLS

- Complete expertise and confidence in GNU/Linux and Solaris, administration, security by design and philosophy, monitoring, full-stack thinking, Cisco IOS, BladeOS, (Low-latency) networking, and multicast routing protocols
- Proficiency with internet and database technologies such as NGINX, Apache, mysql, BIND9, PostgreSQL
- Familiarity in software development in Python, C, and (weak) Scheme, L^AT_EX
- Absolute comfort in vim, bash, custom linux builds, communicating efficiently, git, svn, quickly and calmly putting out fires in production windows environments, command line-fu, tcpdump and packet inspection
- Enthusiasm for programming in Clojure and Scheme, high frequency finance, web programming in python, functional programming, natural language processing, or social web mining
- Growing hatred, but continued tolerance unmanaged (non puppetized) UNIX/Linux servers, cvs, Windows-based filesystems

INTERESTS

- Juggling, Cycling, Natural languages (Russian, Spanish), Literature, conspiracy theories, Indian cooking, Running (competitively), science fiction, unicycling, travelling