

Elad Yarom

Lead Systems Engineer at Priceconomics Inc

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Summary

I mostly work in distributed and cloud environments and have extensive experience with AWS, Google Cloud Platform, Azure, and Apache libcloud.

I also have a strong background in security and software development.

I enjoy building tools in python and bash.

I build cloud-agnostic, self-healing Linux stacks to keep you and your infrastructure flexible.

For the past 4 years I've been working as the Lead Systems Engineer for Priceconomics, a Y Combinator Startup.

At Priceconomics, my agnostic stacks have saved our company over \$700,000 (US) in infrastructure costs over the past 4 years.

Permanent Resident of Canada, EU and Israeli Citizenship.

Experience

Lead Systems Engineer at Priceconomics Inc

April 2014 - Present

As the system engineer for Priceconomics, I design, build and maintain a scalable infrastructure for our products.

My cloud-agnostic, portable stacks have saved Priceconomics over \$700,000 (US) in infrastructure costs over the past 4 years.

At Priceconomics I have:

- Built a package manager and deployment system using Libcloud, s3cmd, Ansible, and OpenSSL (PKI + symmetric) with S3/Google Storage backend
- Designed and implemented major parts of our back-end infrastructure
- Focused on building self-healing, automated, scalable systems on platform agnostic stacks
- POC'd, designed and deployed a VPN based "superproxy", and wrote Python based web crawlers for the content marketing team and clients
- Implemented proper development cycles and environments: development, staging and production with Continuous Integration and Testing, including automated functional testing with Selenium
- Managed our PostgreSQL databases and migrated to/from Amazon RDS

- Implemented system integration with Google Analytics, Oauth and Sheets
- Inspected application code, system design, and infrastructure for security flaws
- Attended international Information Security conferences
- Served as a Point of contact for service providers, CERTs, and platform updates.
- Co-authored content marketing articles

Capsule Backbone Engineer - AES, Avaya VoIP at Innovatia

June 2013 - April 2014 (11 months)

- Tier 3 Backbone support for Avaya Aura Application Enablement Services (AES) CTI servers
- Lab prime for the AES team
- Voice of The Client Award Recipient, October 2013

Campus Patrol Chief at University of New Brunswick

September 2012 - June 2013 (10 months)

- Administrative Director of Campus Patrol
- Responsible for oversight of Campus Patrol under the direct supervision of the Operations Supervisor, Safety and Security
- Security planning, policy development, and staff training, HR, staff discipline, team development
- Running and coordinating teams of up to 30 people in high stress, real time events

Research Assistant, Mathematical Sciences Department

February 2012 - May 2013 (1 year 4 months)

- Coding and Compilation: Wrote software to calculate the Niels and Kuznetsov Ni(x) integral function (R, C++)
- Data Analysis: Performed data analysis for a Flow Analysis research project. (Minitab, Excel, Maple 15)

Campus Patrol Assistant Chief at University of New Brunswick

September 2011 - September 2012 (1 year 1 month)

- Operations Director of Campus Patrol
- Responsible for oversight of all day to day patrol and event operations where Campus Patrol is scheduled to provide services
- Directed Supervisors and Members to ensure a high quality of service is provided and that members comply with policies and procedures of the organization
- Worked with the Campus Patrol Chief on security planning, policy development, and staff training
- Ran and coordinated teams of up to 30 people in high stress, real time events

Proctor at University of New Brunswick

December 2011 - January 2012 (2 months)

- Residence proctor during the Christmas break

- Responsible for the safety and concerns of 184 students living in residence
- Collaborated with management regarding residence check-ins and check-outs

Campus Patrol Supervisor at University of New Brunswick

January 2011 - September 2011 (9 months)

Roles and Responsibilities:

- Front line supervision of Campus Patrol Members during operations
- Maintained a high level of service and safety during shifts.
- Oversaw routine patrols and events in the absence of the Assistant Chief

Campus Patrol Member at University of New Brunswick

September 2010 - January 2011 (5 months)

Roles and Responsibilities:

- Conducted Patrols of the UNBSJ campus
- Provided security for events where alcohol was served
- Conducted safe walks
- Directed traffic

Farm Management

April 2010 - September 2010 (6 months)

- Oversaw foreign workers and day to day operations on the farm
- Maintained irrigation computers (Eldar Shany Agro 8 Irrigation Control System)
- Maintained and operated heavy machinery and tractors
- Picked and packed dates

ERP Programmer

February 2008 - February 2009 (1 year 1 month)

ERP Programming:

- Designed and implemented ERP modules, Client specific modifications (CodeGear RAD Studio, Crystal Reports)
- Database Development (MS-SQL Server 2000-2008)
- QA, Bug fixes and patch Deployment (Checkpoint VPN-1, PC AnyWhere, Cisco VPN)

System Administration:

- Contributed to server purchasing and hosting process
- Server setup and administration (MS-SQL 2008, IIS 7, hMail Server, Windows Server 2008).
- Deployed products on clients' servers (MS-SQL Server 2000-2008; Windows Server 2000, 2003, SBS, 2008)

Independent IT Technician

2003 - 2009 (7 years)

Built, installed and repaired on site computer systems and networks for various clients:

- Worked on-site in people's homes and businesses.
- Advised on system specification with a client oriented mindset.
- High level of expertise in (non-destructive) removal of malware.
- Software and hardware installation and repairs.

Computer and Network Technician

2008 - 2008 (1 year)

Field and lab technician:

- Installed and repaired software and hardware, performed data backups
- Wired, Installed and configured networks and NAS
- Retrieved stock from suppliers

ESL Youth Instructor at Jewish Agency

2007 - 2007 (1 year)

- Provided an immersive English environment for teenage youth at a summer camp.

Military Service

2004 - 2007 (4 years)

Rank: Sergeant First Class (Reserves)

Chief Computer NCO - Military Police, Southern-Command Headquarters

- System Administrator (Windows 9X, 2000, XP; Windows NT4 Server, Windows server 2000, Oracle 8, Magic ERP)
- Network Administrator - 4 LANs, WAN, 100 clients (Nortel)
- User management (Active Directory)
- Information security
- Determined, implemented and audited security policies
- Managed computer NCOs in the unit's bases spread over a wide geographical area
- Used and administered security hardened systems and networks
- Technical and forensic support (hardware and software)
- Overhauled the unit's network and designed a new war room communication infrastructure.

Operations NCO - Military Police, Southern-Command Headquarters

- War-Room (Command Center) shift commander
- Coordinated, assigned and monitored various units in real time
- Assisted in planning operations and emergency procedures
- Collected, wrote and analyzed reports
- High stress environment and shift work

- On the spot adaptability and creative solution problem skills were needed

MP - Eilat Military Police Base

- Military Law Enforcement
- Patrol Commander, Stockade Commander, Dispatch officer.
- Base's Computer NCO – Troubleshooting PCs and the base network, performed security audits, Hardware replacements.

Security Inspector - Erez Border Crossing

- Worked in stressful and dangerous conditions
- High attention to detail and body language was required during shifts
- Excellent communication skills were required

Moshav Iddan local Administrator

2003 - 2004 (2 years)

System and Network Administration, Webmaster:

- Responsible for troubleshooting server and network issues. (Redhat Linux Server 7.3, DoCSIS)
- Developed a website for intranet services

Education

University of New Brunswick

B.Sc. C.S. (Networking), Computer Science, Specialization in Networks, Minor in Mathematics, 2009 - 2013

Activities and Societies: Computer Science Society, Anime Society, Multicultural Society, APICS Programming Competition - Saint Mary's University - Halifax - UNBSJ Team 2

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[Contact Elad on LinkedIn](#)