Siggi Bjarnason

Email: siggi@supergeek.us | Home page: http://www.supergeek.us

LinkedIn Page: https://www.linkedin.com/in/siggib/ | GitHub Public Repo's: https://github.com/siggib007

OBJECTIVE

Cybersecurity engineer specializing in preventative measures, such as vulnerability management and auditing along with end-user awareness training. Would love to help organizations set up or enhance an existing vulnerability management program. Teaching end-user awareness training targeting folks with limited technical knowledge. Authored a book on the topic available at Amazon in both paperback, Kindle, and audio format https://amzn.to/38LgWmE. Also contributed to an O'Reilly book https://smile.amazon.com/dp/B09G9D8NPZ/

SUMMARY

- Master of Science in Cybersecurity and Information Assurance.
- Thirty years of professional experience in the IT industry, even longer as a user. Started out with helpdesk in 1992, bulk of career as security focused Network Engineer, Cybersecurity Engineer since 2017.
- Born in Iceland, spent about 30 years in the Seattle WA area. Dual citizen Iceland and the USA
- Specializing in GRC, CTEM, Vulnerability management, consulting, and end-user awareness
- Very enthusiastic about technology and its proper use as well as learning recent technologies
- Founded BSides Reykjavik with the goal of producing low-cost cybersecurity conferences.
- Love to solve problems and find solutions to unique and challenging problems.
- Excellent project management and presentation skills, public speaker.
- Extensive Vendor management experience along with running product evaluation and selection projects.

EXPERIENCE

NANITOR EHF., REYKJAVIK ICELAND   07/22 – 02/24 (FTE)
Cybersecurity Technical Specialist
- As a cybersecurity technical specialist for a small startup I wear a lot of hats, including:
  - Technical support, both pre-sale and post-sale
  - Technical advisor to sales and marketing
  - Work with the product team to spec out new features, provide feedback on usability, etc. This includes writing new feature proposals.
  - Helping out with product testing
  - Writing internal testing tools
- Took an in-house developed data simulator used to feed fake data to the product and evolved it into a performance testing tool.
- Performed a vulnerability scanning solution analysis where I tested the functionality of about 8 different vulnerability solutions and reported on the differences and similarities.

ADVANIA ÍSLAND., REYKJAVIK ICELAND   02/21 – 01/22 (FTE)
Principle Cybersecurity Engineer, Security Operation Hosting and Operations
- Worked on reviewing and updating existing policies and procedures as well as creating new security focused policies, one of which was a brand-new vulnerability management policy.
- Reviewed existing security tool set, created product requirement documents and selection

criteria for each of them and conducted vendor evaluation projects to select the most suitable product based on business requirements.
- Worked with customers to review their vulnerability management policy and procedures and advised them on how to set up their tools properly.

T-MOBILE US INC., BELLEVUE WA   10/11 – 03/21 (FTE)

Principle Cybersecurity Engineer, Digital Security Org (03/20-03/21)
- Promoted from Senior Engineer to Principal engineer after outstanding performance. Same team additional responsibilities on top of responsibilities as a Senior Engineer.
- Responsible for system design, architect, strategy, and engineering related to nationwide vulnerability scanning for the #2 wireless carrier in the US. Currently targeting around 500K systems scanned.
- Includes fine-tuning systems for optimal performance, solving issues that come up, etc.
- Leading projects, mentoring others, helping solve issues, etc.
- Responsible for the design and implementation of merging Sprint systems into T-Mobile US systems post T-Mobile Acquisition of Sprint.

Senior Engineer Cybersecurity, Digital Security Org (10/17- 03/20)
- A member of the Vulnerability Management team, whose mission is to perform penetration testing, responsible disclosure, and vulnerability management.
- Product owner for vulnerability scanning, and as such, I am responsible for strategy, design, and strategy of vulnerability scanning for all of T-Mobile US Inc (third largest Cellphone provider in the US).
- I work with an outsource company to handle actual day to day operation of the scanning platform and handle scanning requests from various business units.
- Redesigned and replaced vulnerability scanner for 90% of a network consisting of over 500K IPs, resulting in faster and more reliable scans while saving the company around $3M annually based on projected growth.
- Wrote python scripts to assist with asset management, reporting, and data analysis, which exported data out of the scanning solution and stored it in MySQL database.
- Wrote Asset reporting website in PHP to display asset information out of the MySQL database.

Senior Network Engineer Core IP Service Delivery Engineering (2/16- 10/17)
- After completing my rotational assignment I am back in the service delivery group managing deployment projects for various business units.
- Helping Service Delivery Engineer become more comfortable with automation, by training fellow team members as well as members of other teams in how to use HPNA to make bulk changes.
- Working on a project to standardize, document and automate 400+ line ACL across 120 routers. Currently ACL is wildly inconsistent, and no one understands it. Changes to it are currently manual taking over 200-man hours to complete over a period of 4 weeks. Working to bring that down to around 5-man hours over a period of 5 days.
- T-Mobile ERT Building/floor co-captain as well as the chair of the T-Mobile Safety committee.

Senior Network Engineer Signaling System Engineering (8/15 – 1/16)
- Was selected for a rotational development program where you get assigned to a team you have little to no experience with and get six months to get up to speed on whatever that team is responsible for.
- Assigned to team that handles all the SS7, Sigtran, SIP peering, ENUM, LNP and SRF/SRP.
- Wrote a comprehensive engineering document packet for their ENUM system, including documenting all connectivity, Reference Design, and training deck.
- ENUM is also known as ITU E.164. Their ENUM system handles Local Number Portability (LNP), SIP Routing Function (SRF) a SIP Routing Proxy (SRP).

Senior Network Engineer Core IP Service Delivery Engineering (10/11 – 7/15)
- Responsible for design and implementation of the core routing between all the mobility platforms (Packet core) enabling cellphones to get to the internet. This includes routing for devices such as

SGSN, GGSN, MME and S/P Gateway. This involves a lot of work configuring eBGP internally on Cisco ASR9K running IOS-XR

- Integral member of the team that rolled out the initial LTE network at T-Mobile, hailed by many as fastest nationwide rollout of LTE by any US carrier. Project came in under budget and ahead of schedule.
- Subject matter expert for routing aspects of SGSN's, MME's and Private APN partner connections.

DENALI ADVANCED INTEGRATION, REDMOND WA   4/11 – 10/11 (FTE)
Senior Network Engineer
- Member of their professional services team going to customer's sites and solving their issues.
- Was requested by Microsoft to be placed on their account to help them build out their online services using Cisco Catalyst 6500, Catalyst 4848, Cisco Nexus 7K and Juniper MX960.

CLEARWIRE US LLC, KIRKLAND WA   11/09 – 4/11 (FTE & Contractor)
Network Engineer
- As a member of the Core Network Design Engineering worked on design and architecture projects to upgrade existing core network. Also worked with commissioning engineering to build out new sites.
- Worked as a SME representing the Core networking in selection of new tooling.
- SME for one-off legacy networks. Redesigned them to bring more redundancy and manageability to these networks.
- Proposed an alternative to the new high-capacity core design that would save the company $130K per new site without compromise in performance, availability, or redundancy.

EDUCATION

PACIFIC LUTHERAN UNIVERSITY, Tacoma, WA: *BS in Computer Engineering*, 1994
WESTERN GOVERNORS UNIVERSITY, Salt Lake City UT: MS Cybersecurity and Information Assurance 2019

OTHER:
- Certified Ethical Hacker, EC Council 2018
- Computer Hacking Forensic Investigator, EC Council 2018
- SANS SEC560 Network Penetration Testing and Ethical Hacking, SANS Institute 2018
- SANS SEC460 Enterprise Threat and Vulnerability Assessment, SANS Institute 2019
- Enterprise Incident Response Training, Mandiant 2018.
- FEMA trained in Incident Command System and Incident Response

MISCELLANEOUS

HOBBIES AND INTERESTS:
- Geeking out with personal IT projects. Operate a personal Apache Web server, Proxy server, etc., hosted with Hetzner in Germany.
- Tinkering with Rasberry Pi
- Learning Go Language
- Scripting in Python. Repositories available at https://github.com/siggib007
- Ballroom, Latin, and Country Western style dancing