[Michael C. Cook Sr. | Network Information System Security Engineer | DevOPS Engineer]

CompTIA A+/Network+/Security+ | Cisco CCNA/CNAP | Microsoft Certified Professional/MCDST/MCSA/MCSE
Associate Degree in Information Technology (Drafting & Design/Multimedia) | Portfolio Award/CRCATS

| Secure Digits Plus LLC (π) – Clifton Park, NY | | 10/2018 – 10/2022 |

| CEO/Security Engineer, NISSP, DevOPS Engineer, Investigative Journalist, Cybercommando |

[+] Portfolio Development for Applications, as well as Investigative Journalism
[+] Main development focus: (C#/PowerShell/.NET) module development, codename [FightingEntropy(π)]
[+] [FightingEntropy(π)] is a MODULE for PowerShell which automatically installs itself, as well as…
    (installing/configuring) Windows Server 2016/2019, Windows 10 Home/Education/Pro, RHEL/CentOS, and
    FreeBSD/OPNsense/pfSense via the [(Microsoft Deployment Toolkit – by Michael T. Niehaus)]

| Primary | https://github.com/mcc85s/FightingEntropy | (← Portfolio, Resume & Links)
| Secondary | https://github.com/mcc85sx/FightingEntropy |

[+] [FightingEntropy(π)] areas of development:

Primary	Active Directory Domain Services	Windows Deployment Services	Hyper-V/Veridian	DNS
	DHCP	[FightingEntropy(π)][FEInfrastructure: https://youtu.be/6yQr06_rA4I (← Expert)
Secondary	Extensible Application Markup Language	Graphical User Interface design	Unix/FreeBSD
	IIS/Internet Information Services	Razor/Blazor/ASP.Net	Conceptualizing R&D projects
Tertiary	Investigating: ID THEFT	CYBERCRIMINAL ACTIVITIES	GOVERNMENT CORRUPTION	ESPIONAGE

[===(Former Employers)===]

Computer Answers – Clifton Park, NY   10/2015 – 07/2019
Chief Technology Officer & Business Solutions Expert

[+] Developed scripts and protocol, quality assurance, overseeing (productivity/training) of employees
[+] Featured on WTEN Alert Desk via Andrew Banas regarding SmartTV's at https://youtu.be/-jkDPv9H6BQ
[+] Set highest sales record in the company to date, in August 2017
[+] Rebuilt all of the networking equipment, point of sale equipment, server/router/access point
    configuration, surveillance system/cameras, and DHCP configuration/deployment, for ALL 7 stores
[+] Deploying and configuring Clients/Servers/Routers/Switches/Access Points/receipt printers/SmartTV's…
    …led to the founding of [Secure Digits Plus LLC], successor to [Mike's PC Repair], in order to build
    a program that does all of this configuration, in a similar manner to:

    | Google Kubernetes | Microsoft Azure | Amazon Web Services | VmWare vSphere | Cisco SD-WAN |

[+] Upgraded each store network to gigabit Ethernet internally, as well as installation of:

    | Security Gateways using | pfSense | OPNSense | HardenedBSD | FreeBSD |

Key Corp – Albany, NY   03/2016 – 12/2016
Help Desk Level (I & II) Support Engineer

[+] Provided support to (KeyCorp/KeyBank) employees over the phone and over Key's Inter IM client,
    Cisco Jabber, for various FIRST and SECOND level help desk support tickets
[+] First experience with System Center Configuration Manager, which utilizes core aspects of the
    Microsoft Deployment Toolkit and other Microsoft-centric programs/applications
[+] Exposure to Active Directory Administration was rather limited in this position (typically used for
    password resets), brief contact with Organizational Units, Site Links, Lotus Notes, Exchange,
    vSphere/eSXI, Group Policy Objects, RSA Encryption/Software tokens, KeyCounselor/HOGAN

Metroland/Lou Communications – Albany, NY   01/2007 – 01/2014
Distribution Contractor & IT Consultant

[+] Distributed the newspaper Metroland for several years throughout the Greater Capital Region
[+] Eventually they were in need of IT services from 'Mike's PC Repair' in September 2012
[+] Documented & moved their network from 420 Madison Ave, Albany NY – 523 Western Ave, Albany NY while
    upgrading old Dell based Win NT 4.0 server to 1U blade server w/ (2x AMD CPUs, Windows Server 2008)
[+] Migrated ALL data from an older system that publishers used for archiving (weekly/legacy) content
[+] Assisted John Bracchi with (printers/network storage for PUBLISHERS via Adobe (PS & Illustrator):

    | mapping printers | domain logins | emails/Outlook | making sure that Ted Etoll was happy |

[+] Limited use of domain resources, otherwise most services were DISTRIBUTION of the newspaper

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\     Nfrastructure – Clifton Park, NY                                    09/2010 – 01/2011      /
/     Computer (Hardware/Printer/Network) Technician                                             \
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   ||   [+] Staged machines to be used for Point-Of-Sale systems for the Adidas-Reebok of North America, as well   ||
   ||        as testing, repairing, and maintaining a rolling inventory of computers, monitors, receipt printers,  ||
   ||        handheld devices, bar code scanners, & label/form printers (Epson)                    ||
   ||   [+] Made DAILY warranty calls to HP for Elite 8100/8200's, AND Dell for various (laptops/workstations)   ||
   ||   [+] Repaired, inspected, and maintained full-size (Lexmark/HP) stack printers for various NYS agencies   ||
   ||   [+] Imaged THOUSANDS of computers to be used for various New York State companies and gov't agencies:   ||
   ||        _____   ||
   ||       | Dept. of Transportation | CSMIN | Golub Corporation | Office of People with Disabilities Dept. |   ||
   ||       | Dept. Of Correctional Services | Adidas-Reebok of NA | Testcomm of New York and Massachusetts   |   ||
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\     TEKsystems – Albany, NY                                             06/2006 – 05/2019      /
/     Various (Computer/Network) related roles                                                   \
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   ||   [+] Completed Pittsfield MA Census Bureau deployment (2009–2010) | KeyCorp (2016) | Patroon Creek (2017)   ||
   ||   [+] Trinity Health/St. Peters Hospital 02/2019 [Interview] – Potential client was seeking to build an   ||
   ||        entirely new domain physically as well as ASP.Net overhaul, already developing [FightingEntropy(π)]   ||
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\     Hearst Corporation – Albany, NY                                     04/2006 – 04/2009      /
/     Distribution Contractor & Accounts Receivable Collector                                    \
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   ||   [+] Provided distribution throughout lower Saratoga County, as well as the Greater Capital Region   ||
   ||   [+] Daily paper drops were required in early morning hours after they are printed (2AM-4AM), and stores   ||
   ||        would either be open or closed; some stops needed priority treatment (primarily Stewarts Corp)   ||
   ||   [+] Drifted in the snow a lot, found new ways to drop off newspapers, drove a minimum of 90 miles/night   ||
   ||   [+] Collected and calculated return payment amounts, deposited into bank account with Bank of America   ||
   ||   [+] Worked under (Kenny/Patrick Bernard) for Q122, Q107, Q121, & Chris Jones for daytime return routes   ||
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[===( Education )===============================================================================]
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\     New Horizons Learning Center – Albany, NY                           01/2008 – 01/2009      /
/     CompTIA & Microsoft Certifications Track                                                   \
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   ||   [+] Completed certifications from CompTIA A+/Network+, MCP/MCDST                            ||
   ||   [+] Hands on support with hardware, and operating systems Windows (XP Pro/Home/Server 2003)   ||
   ||   [+] Studied server technologies and services: FTP, File Server, WINS/DNS/DHCP, RSAT/WSUS, Certificates,   ||
   ||        Active Directory, Group Policy, Drivers, Wireless, IIS 6.0, VPN Encryption, & Virtual Server   ||
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\     ITT Technical Institute – Albany, NY                                06/2004 – 06/2006      /
/     Information Technology: Drafting & Design, Multimedia                                       \
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   ||   [+] Received Associate degree in (IT/Drafting and Design-Multimedia)                        ||
   ||   [+] Course studies included:                                                               ||
   ||        _____    ||
   ||       | 2D/3D graphic, print AND web design AND publishing | Portfolio Development |  Problem-Solving |   ||
   ||       |  Instructional Design | Micro Economics | CompTIA (A+/Network+) | Intro to Visual Basic .Net  |   ||
   ||       |   Macromedia | [ Flash / Director / Dreamweaver] (HTML/CSS) and flash animation        |   ||
   ||       |      Adobe | [ Premiere / After Effects ] video | [ Photoshop / Illustrator ] photo   |   ||
   ||       | AutoDesk 3DS | scene/character modeling | lighting | texturing | rigging | animation  |   ||
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\     Capital Region Career and Technical School – Albany, NY             09/2001 – 06/2003      /
/     Microsoft System Administration, CompTIA A+/Network+, & Cisco Certified Network Academy    \
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   ||   [+] While attending Shenendehowa High School, this 2-year vocational program consisted of hands-on lab   ||
   ||        environment experience, and studies related to the above curriculum                   ||
   ||   [+] Briefly acted as (Student Network Administrator), using (MMC/Microsoft Management Console) snap-ins,   ||
   ||        HyperTerminal, Novell Netware IPX/SPX, Windows XP/Server 2000 Workgroup, and some Red Hat Linux   ||
   ||   [+] Received an in-depth year with Cisco (routers/switches) via RS232                      ||
   ||   [+] Participated in NYS competition at (SCCC/Schenectady County Community College), & ITT Tech   ||
   ||   [+] Received an award from the school for Portfolio Development at final graduation ceremony   ||
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