

# STEPHEN POTE

Rutledge, PA 19070 | 931-706-9696 | [steve.pote@protonmail.com](mailto:steve.pote@protonmail.com) | [www.linkedin.com/in/steve-pote](http://www.linkedin.com/in/steve-pote) | Willing to relocate

## Penetration Tester / Red, Blue, Purple Team Lead

Information security professional and CISSP, with MS in cybersecurity and advanced studies in intrusion detection, penetration testing, security architecture, operating systems security, and ethical hacking. Acquired 20+ years of experience in common applications, programming languages, systems, and databases, with strong understanding of application design and data-driven application development. Excel at troubleshooting, developing reusable/efficient code, solving complex design problems, making connections between systems, and quickly acclimating to new technologies. Developed excellent interpersonal and communication skills and made material accessible to technical and non-technical audiences through presentations for as many as 200+ attendees.

## EDUCATION

**MS, Information Technology Auditing and Cybersecurity**, The Fox School of Business, Temple University, Philadelphia, PA, 2019

- **Relevant Coursework:** Security Architecture, Ethical Hacking, Intrusion Detection and Response, Operating Systems Security, Penetration Testing, Securing Digital Infrastructure, and Protection of Information Assets
- **Projects:** Wifi Analysis of Public Transit (Wigle, Kismet, phone, and RPi) and Remote Bluetooth Replay Attack (Ubertooth captured Metasploit replay from RPi). Additional Information at <https://scp-localhost.gitlab.io/>

**BS, Information Systems**, *magna cum laude*, American Intercontinental University, Schaumburg, IL, 2003

## CERTIFICATION

Certified Information Systems Security Professional, International Information System Security Certification Consortium, 2019

## TECHNOLOGY SKILLS

|                                   |   |
|-----------------------------------|---|
| <b>Operating Systems</b>          | Linux Debian (Kali, Raspian, Parrot), Centos, Gentoo, and Ubuntu; Windows 3.11 and NT4 to Win 8   |
| <b>Languages</b>                  | Python, Php, JavaScript, and PostgreSQL; some experience with Ruby and C variations   |
| <b>Signals Intelligence</b>       | Sniffing (Wifi and Bluetooth), Rf, and software-defined radio   |
| <b>Information Security Tools</b> | Snort, Wireshark, Metasploit, Nessus, BurpSuite, Sift Pineapple, HakRf, Ubertooth, Locksport, Scapy, Security Onion, Lock Picking, and Physical Penetration Tests |
| <b>Databases</b>                  | My SQL, MSSQL, and Mongo  |
| <b>Hardware</b>                   | Routers, Small Office Networking, IoT (Rpi, Embedded), and Physical PC Hardware   |
| <b>Software</b>                   | MS Office (Trainer and VBA programming)   |

## PROFESSIONAL EXPERIENCE

**Independent Contractor**, Rutledge, PA, December 2007 to present | *Customized technology solutions for diverse industries*  
**THREAT HUNTER/FULL-STACK WEB AND SOFTWARE DEVELOPER**

Contracted by entrepreneurs/companies with special needs to develop out-of-the-box solutions using Python to connect systems and import/export data; developed business from presentation at Ceridian convention. Create system specifications for business requirements and support clients in HR/payroll management, waste water management, education, government, heavy/light industry, and technical services, as well as nonprofit organizations throughout development lifecycle. Projects include:

- **Mecipe:** Developed technology in partnership with CEO to customize recipes for cooks with food sensitivities/allergies. Self-hosted product on Centos LAMP stack with sandbox, development, and production environments. Managed cloud/LAN backups, VirtualBox virtual machines, and RDP/VNC services on Windows Active Directory.
- **DCWASA:** Facilitated faster/more robust search results for HR, payroll, and benefits reports (800 employees) by designing/developing Access VBA application using ADO connection to proprietary application vendor's SQL. Application included 10 tables and 10,000 employee records.
- **'Fridge Door:** Designed/developed prototype web portal/container applications for authenticated, subscription-based service, including recursive journal, calendar scheduling, file/image uploaders, and automated database-stored thumbnail converter. Developed prototype on IIS, MSSQL, and ASP and ported to open source LAMP platform.

**National A-1 Advertising**, Philadelphia, PA, February 2010 to May 2013 | *Global Pay-Per-Click Advertising/eCommerce Company*

**WEB DEVELOPER**

Began tenure managing web interface for call center phone system. Redesigned AJAX to use pure JavaScript and created web forms for use by call center and HR. Transitioned to oversee coding, design, and layout of websites for diverse internal/external eCommerce businesses, each with own architecture and vertical.

- **Created foundation for departmental cross-browser development** and global customer service app by implementing jQuery/AJAX in existing software.
- **Improved platform-wide dependability** by updating security/menu systems.
- **Increased speed and boosted up time to 99.9%** for agent call display and 20 existing apps by re-engineering system and debugging to remove memory leaks.
- **Cut required man hours 90%.** Built audio library search/maintenance front-end UI to enable logical system management.

**Ceridian**, Exton, PA, October 2004 to December 2007 | *Global HR/Payroll Services Company*

**WEBMASTER/SECOND-TIER CUSTOMER SUPPORT**

Developed/maintained customer support department's internal portal and managed/updated content (defect lists, workarounds, technotes), including web page creation, layout, and design. Supported proprietary HR payroll-management application, web/self-hosted VB delivery models (MS SQL backend) for 800 companies, self-service application/web delivery model for 450+ companies, and web products through evolution from ASP with frames to XML. Investigated customer bug reports/product defects, diagnosed third-party stored procedure issues, replicated/documented defects, and escalated to product development team for resolution. Customized application pages to meet client business needs.

- **Eliminated rework for frequent data changes** by re-engineering web portal from static HTML to dynamic ASP pages.
- **Expedited response time to customer inquiries**, resulting in faster resolutions and improved customer satisfaction. Recommended, developed, and implemented new portal that posted status emails for easy access/reference.
- **Enabled more efficient development/accelerated community growth of code library** by using portal application to leverage developers' work. Re-engineered application for portal ASP to store, search, and retrieve Transact SQL snippets.
- **Facilitated customer data acquisition** by composing SQL to run from application GUI and setting up imports/exports in application's data-exchange interface.
- **Chosen as trainer for annual end-users conference** based on subject matter expertise and presented to audiences of 100+ on topics such as data transformations, formula writing, and reporting.

**Additional Experience:** Vialyst (formerly PC HELPS), 4 years supporting 75% of Fortune 500 companies in off-the-shelf software, writing VB script for operating systems, and composing VBA for Excel, Access, and MS Project.

---

**AFFILIATION**

Information Systems Audit and Control Association

---

**PRESENTATIONS**

“Punzel Our Cat Sniffs Wifi and Bluetooth,” Deep East Texas Security, 2020 (Phone app, Ubetooth, and HackRF capture of signals)