

**Scott Sharkey**  
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I have split my career between software development and administration/devops, often serving in both roles. I have worked remotely for over 10 years, and understand the communications issues involved in such work. Well versed in tools such as Slack, Jira, Github/GitLab, MS Teams, and others for communications.

## **Career Highlights**

Founded multiple startups. Executive experience running development groups from 2-14 members, sales, marketing, and administration staff up to 20 persons, with over 4M annual budgets. Responsible for tech support department, sales/marketing campaigns, administration/finance, and software development/engineering staff.

Web site customers include sports teams and conference sites, insurance (Nationwide/Allied) and real estate agencies (Keller Williams, etc.), law offices, automotive repair, financial sites (Wendy's International, Huntington National Bank, Pinnacle Data Systems, Applied Innovation, Hallmark Financial, etc.), state government (Ohio Board of Regents) and numerous small business sites. Most sites were database driven with custom CMS features, ecommerce integration, etc. Developed more than 200 sites overall. Most recently worked on a highly scalable dating site with over 150,000 subscribers, Intuit TurboTax Personal Pro, a life settlement insurance application, ACH clearinghouse, an Internet of Things data collection app, numerous projects for Cox Media Group and Synzi virtual health care application.

Experienced with Django (python), REST Framework, Wagtail CMS, Falcon (python) and Cake/Symfony (PHP) MVC frameworks, various template languages and numerous Javascript libraries including Vue.JS, jQuery, webpack, etc..

Well versed in TCP/IP and Internet protocols. Very capable with devops including continuous integration and deployment, python, saltstack/ansible. Performed forensic work for local FBI office.

Acknowledged Linux security expert, having performed more than 100 security audits since 2000, including work for local police departments, FBI, and other law enforcement agencies. Built and maintain numerous firewalls based on Linux. .

Developed more than 25 commercial software products on Unix and/or Windows since 1990. Several were market category leaders, including Shark!mail (top 8 worldwide sales in 1994, according to InfoWorld), and CD-Direct, a Samba-like SMB Emulator for Banyan VINES.

Adjunct Professor of Computer Science/Web Development at Franklin University teaching operating systems, web development, and enterprise patterns and architecture using python, PHP, and java.

Founder of Columbus Computer Society and SIG Leader of CCS Linux SIG, where I taught/mentored Linux technology for local user group members. Taught "Intro to Linux", "Intro to Python", and "Linux Network Administration" and "Advanced Linux Administration" classes regularly over the years.

## **Selected Employment History and Projects**

### **1998 – Present, LANshark Consulting Group, LLC**

President and Founder – Django/Python development shop, full service Linux and Open Source DevOps Integrator.

#### **Selected Recent Projects and Technologies:**

**LANshark (2017-present)** Developed over a dozen websites using Wagtail CMS.

**Synzi (2017-2018)** – Virtual Healthcare online application with Django backend and REST APIs.

**Conestoga (2016-present)** – Full stack developer on web application for the life insurance settlement industry, with django backend and vuejs frontend running on digital ocean and AWS.

**eldarion (2015-16)** – Backend developer on e-commerce site using jsonapi and custom rest framework backend with reactJS frontend.

**Cox Media Group (2015)** – Infrastructure platform team supporting internal CMS (Django) and several custom Django applications related to RSS/Atom and AP feeds, search (SOLR) and related technologies.

### Selected Recent Projects and Technologies (continued):

**Intuit TurboTax Pro (2014/2015)** – Part of team developing Intuit’s Turbotax Personal Pro application. Implemented a new system for hiding all application passwords and credentials in the Intuit Secret Service and rotating the encryption keys on a regular basis. Wrote a utility for rotating the keys on encrypted tax documents stored on S3. Updated the application for better security, improved the Apache web server performance, and worked on various other parts of the system.

**NEACH Billing Application (2013-present)** – Northeast Automated Clearinghouse is a consortium of banks and credit unions which use the Federal Reserve Automated Clearinghouse to transfer funds between banks. Took over a failed project to write a new billing application that processes files from the Federal Reserve and NEACH's internal CRM system, producing emailed PDF invoices and an ACH instruction file for billing each of the NEACH members according to their usage.

**InvestQuest Stock Quoting (1998-present)** – Developed tools to read real-time stock prices from Barchart on Demand and display on websites for Huntington National Bank, Wendy's International, Bob Evans Restaurants, Rocky Boots, ARK Restaurants, and numerous other clients. Included creating various graphs of stock data over time.

**Server Automation and django upgrades (2014)** – Consulted with an Akron-based company upgrading their django-based product to Django 1.6, build ansible/vagrant/packer scripts to automate development, staging, and production servers.

**Qbase, LLC. Custom Build System (2012-2013)** – Created and maintained a custom python/django-based build system which built their Metabase product, produced custom PXE boot images, custom CD/DVD images, and related installer tools for installing, configuring and upgrading the product in-place at customer sites.

**Wyred, LLC Dating Websites (2011-2012)** – Part Owner – Backend developer on Findfred.com, a highly scalable PHP-based LGBT dating web site on a multiserver cluster. Ported code to develop MeetMindy.com, a LGBT dating website for females. Over 150,000 subscribers.

**Data Collection for Menard Engine Group (2004)** – Developed a custom python program to run on an embedded computer which was installed in IndyCar's race cars that collected engine management data (gears, temperatures, etc) from sensors mounted on the car, summarized the data, and published it to a web server as the car pitted.

### 2012 – Present, Franklin University

Adjunct Professor teaching Enterprise Applications and Patterns (COMP461) and Web Development (WEBD236), face-to-face, online, and hybrid (mixed online and face-to-face simultaneously). Previously taught Operating System Fundamentals in Saudi Arabia (remote).

### Education

1984 The Ohio State University, Columbus, Ohio MS, Computer Science  
1981 Wittenberg University, Springfield, Ohio BA, Biology and Computer Science

### Developer Skills Summary

**Very Strong:** linux admin, python, django, javascript, git, postgresql, mysql, REST Framework, Linode/Digital Ocean, bash

**Strong:** php, ansible, Fabric, Jenkins, GraphQL, AWS, Heroku, linux packaging, redis

**Knowledgeable:** React, webpack, Vue.JS, postfix, Terraform