DAVID RAND

(Contact details removed for web publishing.)

Technology leader with over 25 years of experience including information security management, software development management, software development, and technology support. United States citizen and permanent United Kingdom resident, recently relocated from England to Northern Ireland.

EXPERIENCE

MARCH 2019 – PRESENT

OWNER, COMPUTER HELP NI

Run a sole proprietorship providing information technology and security services:

- Troubleshoot, repair, and upgrade PC and Mac computers.
- Resell, configure, and maintain Microsoft 365 and web, email, and domain hosting.
- Assist customers with security incidents and Information Security compliance.
- Manage company image, marketing, and finances.

AUGUST 2016 – NOVEMBER 2018

INFORMATION SECURITY MANAGER, PROTOLABS

Establish and lead the global Enterprise Security team at Protolabs:

- Partner with IT to implement security policies via network segmentation, firewall rules, DLP, IAM, patching, IDS/IPS, email filters/scanners, and proxy servers/web filters.
- Implement 24x7 security monitoring via a MSSP using log collection, packet inspection, email threat detection, DNS monitoring, and endpoint agents.
- Develop global Incident Response Plan and lead the Incident Response Team to investigate security events and incidents and escalate as needed.
- Conduct vulnerability scans and risk assessments.
- Develop and deliver security awareness training (anti-phishing, OWASP Top 10, general InfoSec).
- Manage security compliance (NIST Cybersecurity Framework, PCI DSS, GDPR, Cyber Essentials).
- Co-lead cybersecurity table-top crisis simulations to exercise the global crisis plan.
- Recruit and manage security analysts. (Only one direct report at end of tenure.)

JANUARY 2013 – AUGUST 2016

SOFTWARE DEVELOPMENT MANAGER, PROTOLABS

- Recruit and lead a very successful software team with eight developers located in England, one developer and one BA in USA, one developer in Finland, and one developer in Japan.
- Manage software projects in the role of Scrum Master.
- Write ad-hoc SQL queries and stored procedures to gather data for reports.
- Leverage Protolabs domain knowledge to investigate issues and mentor newer team members.
- Help to manage enterprise security (PCI and SOX compliance) for all global business locations.

JULY 2006 – JANUARY 2013

SOFTWARE DEVELOPER / SENIOR SOFTWARE DEVELOPER, PROTOLABS

- Develop web applications using C# .Net, SQL Server, SOAP web services, with HTML, JavaScript, and CSS.
- Lead a project to split production, dev, and QA environments in US, UK, and Japan for SOX compliance.
- Expand CI/CD (CruiseControl) environment to ease global development, testing, and deployment.
- Mentor and share domain knowledge with other developers.
- Provide application development support, focusing primarily on our EU locations from 2009.

SEPTEMBER 2001 – JULY 2006

TECHNOLOGY COORDINATOR, ODYSSEY ACADEMY

- Maintain all computer hardware and software, including Windows Servers and desktop PCs.
- Manage computer networks, Active Directory, Group Policy, and DNS.
- Prepare annual technology budget and help to write grant applications.
- Serve on the school board as Board Member and Vice-Chair.

JUNE 1995 – JUNE 2001

SOFTWARE DEVELOPER, FIREPOND

- Build customer applications using Firepond Application Suite (FAS), a Java-based app framework.
- Develop the FAS Reporting module.
- Build prototype applications using HTML and JavaScript.
- Build the company's first public website and intranet applications.

EDUCATION

OCTOBER 2018

MSC, UNIVERSITY OF OXFORD

Master of Science, with distinction, in Software and Systems Security. Modules included Software Development Management, Security Principles, Design for Security, Agile Methods, Forensics, Agile Engineering Practices, Security & Incident Management, Security Risk Analysis and Management, People and Security, and Network Security. Project and dissertation topic: *Deploying Low-Interaction Honeypots in a Corporate Enterprise Network*.

MARCH – SEPTEMBER 2013

MANAGEMENT TRAINING, ACAS

- Engaging and Motivating Employees
- Having Difficult Conversations
- Managing Within the Law

FEBRUARY 2020

ISO 27001, IT GOVERNANCE

- ISO 27001 Foundations
- ISO 27001 Lead Implementor training

DECEMBER 1995

BS, MINNESOTA STATE UNIVERSITY, MANKATO

Bachelor of Science, cum laude, majoring in English and emphasising technical writing, and a minor in microcomputers. Included one year of chemistry and one year of biology.

PROFICIENCIES

- Analytical thinker and fast learner
- Excellent communicator
- Exceptional diagnostician; skilled in finding root causes of complex issues
- Confident leader and manager; experienced handling difficult conversations
- Proactive collaborator; set and work toward multiple goals to complete projects

SKILLS

- Engineering team recruitment and leadership
- Agile project management (Scrum Master)
- Web application development using C#, JavaScript, VBScript; some Java, PHP, and Perl
- Relational database design and TSQL queries
- Web server configuration and management
- Compliance management (NIST CSF, PCI DSS, GDPR, ISO 27001, and Cyber Essentials)
- Firewall and load balancer configuration
- MS Windows, Active Directory, and Group Policy support; limited Linux and MacOS
- Security risk analysis
- Incident response planning and execution
- Security event monitoring and triage
- Security awareness programme development
- Vulnerability scanning and remediation