DAVID RAND

(Contact details redacted for web publishing.)

Technology leader with over 25 years of experience including information security management, engineering management, software development, and technology support. United States citizen and permanent United Kingdom resident living in Northern Ireland.

EXPERIENCE

FARMVET SYSTEMS, FEBRUARY 2023 – PRESENT
SOFTWARE DEVELOPMENT MANAGER

Lead a team of software developers delivering web- and app-based software and services using Scrum:

- Lead daily scrum, backlog grooming, sprint review, and retrospective meetings (Scrum Master).
- Recruit, hire, and manage software developers to help them achieve results and grow professionally.
- Lead Server Security, Disaster Recovery, and Azure migration projects.

PROOFPOINT, OCTOBER 2022 – JANUARY 2023
ENGINEERING MANAGER

Lead a team of engineers delivering DevOps pipelines and services to internal software teams:

- Coach and mentor engineers to help them achieve results and grow professionally.
- Manage technical projects using Agile methodologies.
- Recruit and hire DevOps engineers.

COMPUTER HELP NI, MARCH 2019 – OCTOBER 2022
OWNER

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.

PROTOLABS, JULY 2006 – NOVEMBER 2018
INFORMATION SECURITY MANAGER, AUGUST 2016 – NOVEMBER 2018

Establish and lead the global Enterprise Security team at Protolabs:

- Manage security compliance (NIST Cybersecurity Framework, PCI DSS, GDPR, Cyber Essentials).
- Develop global Incident Response Plan and lead the Incident Response Team.
- Implement 24x7 security monitoring via a MSSP.
- Conduct vulnerability scans and risk assessments.
- Develop and deliver information security policies and security awareness training.

SOFTWARE DEVELOPMENT MANAGER, JANUARY 2013 – AUGUST 2016

Establish, recruit, and lead a new software team in the UK:

- 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.

SOFTWARE DEVELOPER / SENIOR SOFTWARE DEVELOPER, JULY 2006 – JANUARY 2013

- Develop web applications using C# .Net, SQL Server, SOAP web services, with HTML, JavaScript, and CSS.
- Expand CI/CD (CruiseControl) environment to ease global development, testing, and deployment.
- Mentor and share domain knowledge with other developers.
- Provide development support, focusing on our EU locations after relocating to the UK in 2009

ODYSSEY ACADEMY, SEPTEMBER 2001 – JULY 2006
TECHNOLOGY COORDINATOR

- 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.

FIREPOND (WAS CLEAR WITH COMPUTERS), JUNE 1995 – JUNE 2001
SOFTWARE DEVELOPER

- 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

UNIVERSITY OF OXFORD, OCTOBER 2018
MASTER OF SCIENCE (MSC)

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*.

ACAS, MARCH – SEPTEMBER 2013
MANAGEMENT TRAINING

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

IT GOVERNANCE, FEBRUARY 2020
ISO 27001

- ISO 27001 Foundations
- ISO 27001 Lead Implementor training

MINNESOTA STATE UNIVERSITY, MANKATO, DECEMBER 1995
BACHELOR OF SCIENCE (BSC)

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