

DAVID RAND

(Contact details redacted for web publishing.)

Technology leader with over 20 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

AUGUST 2016 – NOVEMBER 2018

INFORMATION SECURITY MANAGER, PROTO LABS

Establish and lead the global Enterprise Security team at Protolabs: Partner with IT to implement security policies (segmentation, firewalls, DLP, IAM, patching, IDS/IPS, email filters, proxy servers); implementing 24x7 security monitoring via a MSSP; developing the global Incident Response Plan and leading the Incident Response Team; conducting vulnerability scans, threat analyses, and risk assessments; developing and delivering security awareness training (anti-phishing, OWASP Top 10, general InfoSec); managing security compliance (NIST Cybersecurity Framework, PCI DSS, GDPR, Cyber Essentials); and co-leading cybersecurity table-top crisis simulations to exercise the global crisis plan.

JANUARY 2013 – AUGUST 2016

SOFTWARE DEVELOPMENT MANAGER, PROTO LABS

Recruit and lead a highly productive and very successful team of software developers located in England, USA, Finland, and Japan; manage software projects in the role of Scrum Master; design, build, and maintain applications and websites; write ad-hoc SQL queries to gather data; leverage Protolabs domain knowledge to investigate and troubleshoot issues; mentor newer team members; help to manage enterprise security for all global business locations.

JULY 2006 – JANUARY 2013

SOFTWARE DEVELOPER / SENIOR SOFTWARE DEVELOPER, PROTO LABS

Develop web applications, using C# .Net and VBScript, built upon SQL Server databases and SOAP web services and incorporating HTML, JavaScript, and CSS; implement card payment system for customer portal website and manage PCI DSS compliance; 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; build and maintain database-driven internal web applications and public website; prepare computer lab for electronic exams and facilitate testing of all students; 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 object-oriented JavaScript; build the company's first public website and database-driven intranet applications.

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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

Management training provided by Protolabs included the following modules delivered by ACAS: Engaging and Motivating Employees, Having Difficult Conversations, and Managing Within the Law.

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. My senior project included developing the Computer Science Department's first website.

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

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