

Curriculum Vitae

Personal Information

Full Name: Vincent King
Current Role: Head of DevSecOps at the Bank of England.
Website DevSecOpsVince.com
LinkedIn www.linkedin.com/in/devsecopsvince

Education

University: University of Edinburgh
I graduated in July 1998, with a BSc (Hons) Computer Science and Artificial Intelligence.

Professional Memberships, Certifications and Awards

MBCS	2000	Qualys Certified Specialist	2019
BCS RITTech	2021	BCS CITP	2021
(ISC2) CISSP	2021		

Core Skills

Management

Team Lead	(6 years)	Recruitment	(4 years)
Technical Leadership	(6 years)	Information Security	(4 year)
Performance Reviews	(6 years)	Standards and Best Practices	(3 years)
GDPR	(4 year)	Operations	(2 years)
Agile/SCRUM	(7 years)	Development	(20 years)
CI/CD	(8 years)	Data Analytics	(3 years)
DevSecOps	(5 years)	Public Speaking	(4 years)

Positions of Responsibility and Professional Roles

Bank of England

(March 2013 - Present)

Head of DevSecOps (~1 year)

Following on from my extensive experience creating the DevOps capabilities within the Bank and my Cyber Security expertise, I am now responsible for implementing DevSecOps. Running a small team and working with colleagues from across the Bank we are enabling teams to work more securely. As part of the Cloud Transformation team and Cloud Accreditation Squad, I am accountable for ensuring that any project wishing to move to the Cloud have the necessary DevSecOps requirements in place, and setting policies to enforce positive behaviour through IaC, automated testing and code scanning.

Cloud Transformation Cyber Security Consultant (~1 year)

Working with the project team and responsible for the implementation of Vulnerability Management and Continuous Monitoring capabilities with the Bank's chosen cloud solution, Azure. Using Azure Sentinel, Azure Defender for Cloud, and Azure's Qualys Cloud Agent (Light), I am tasked with the creation and implementation of processes to ensure that all cloud assets have a strong cyber security posture, and are compliant with the Bank's cloud policies.

Team Lead and Security Analyst (~2 years)

During my work in Cyber Security I have created a Cyber Data Analytics team within the division to create a Cyber data repository and reporting system. The system gathers data from disparate sources into a single source of truth using automation including APIs and ETL processes. The data will then be used to create reports and visualisations for stakeholders at all levels of management to help with data-driven decision making. The system will also support the introduction of the NIST framework to allow the department to create a baseline and track improvements and maturity.

As Security Analyst I am called upon to run CSIRTs (Cyber Security Incident Response Teams) whenever a vulnerability has been identified within the Bank and remediation actions are required. As the CSIRT manager it is my responsibility to engage with the necessary teams, formulate an action plan, and oversee any remediation.

Additionally my responsibilities include threat and vulnerability management, and continuous monitoring of Bank assets using the Qualys system. As a SME for the Qualys system, I am tasked with the management and training of 100+ of users to allow them to report on the systems for which they are responsible. My work has also included the move from an on premise solution to a cloud service and the introduction of new data zones within the Bank.

With the introduction of the Agile methodology across the Bank, I have become an Agile practices SME for Cyber Security, and administrator for our work management system, JIRA. I am responsible for the training of all 300 Cyber Security staff across the Bank to the new working practices and tooling, including providing guidance to teams who have never used the methodology.

DevOps SME (1 year)

As the owner of Team Foundation Server (TFS) within the Bank and a promoter of DevOps and Agile practices, I was responsible of the upgrading of tooling and implementation of the CI/CD functionality. This work included the upgrading of our tooling and the creation of infrastructure and processes to support continuous deployment. This new functionality provided development teams with new abilities and the ability to create secure, reliable, and repeatable deployments, increasing their time to production.

As part of my work to implement the CI/CD capability I also developed software to produce MI (Management Information) using the TFS API. This software collected data directly from TFS and produced reports detailing the number of code check-ins, builds, and deployments. This MI allowed me to track the engagement with the new process and was a measure of its success.

To support my interest in Cyber Security I created a virtual team of Secure Coding Champions (SCC) and created a training programme for 500+ developers. The SCC team consisted of 10 senior developers whose responsibilities included performing assessments of in-house developed code, and the running of training sessions to promote secure coding practices. To automate the code scanning process I ran a proof-of-concept to integrate a 3rd party product with our CI/CD process to allow developers to scan their code on a regular basis, and learn from any issues found.

Team Lead/Operations Lead/Application Security Manager (2 years)

As part of the Technology Enablement (TE) domain I led a team responsible for developing, maintaining, and supporting both in-house and 3rd party applications used by the Technology division. These applications included all tools used by developers as well as a new SaaS solution for demand and capacity planning. I was also responsible for the creation of coding standards and best practices to support the wider adoption of DevOps.

My responsibilities grew to include work on the domain's budget including the management of our Microsoft contract, as well as identifying and managing risk. Due to its central role within the division, Technology Enablement became responsible for the developer "Ways of Working" with particular focus on application security. My role expanded again to cover application security management and included the creation and implementation of a Secure Software Development Lifecycle. To improve this process I implemented plans for secure development training, secure peer-to-peer code reviews, and secure code reviews by both 3rd party and static analysis tools.

Due to my ownership of all the development tools within the Technology, I took on the responsibility to manage the Bank's relation with a number of vendors including Microsoft, Infragistics, and Pluralsight.

Technical Lead (2 years)

As the Technical Lead on the Systems Development Services team I continued my development work but became responsible for the technical management of the team and was accountable for the delivery of change. To support the dozen developers on the team I created training paths using the Bank's chosen training platform, Pluralsight, which were later adopted by other teams within Technology. This led to an opportunity to own the service within the Bank and the added responsibility of managing the vendor relationship.

While on the SDS team I took ownership of version control within the Bank. This required the migration of all Technology and Business area source code from Microsoft's Visual SourceSafe to Team Foundation Server (TFS). The introduction of TFS required the development of best practice and promotion of the service. Within Technology I took the opportunity to implement centralized builds and lead the adoption of Continuous Integration. As TFS owner I also promoted the use of Application Lifecycle Management (ALM) and Agile processes using TFS, and made a commitment to keep TFS up-to-date allowing developers and managers to use the latest version.

Beyond my responsibilities on the SDS team, I formed and led the Technical Lead Forum. The forum was made up of senior developers from the Technology division within the Bank and became responsible for defining best practice, introduction of new technologies, and the running of knowledge sharing sessions for the wider developer community.

Developer (1 year)

I joined the Bank as a developer on the Data Visualisation and Modelling team. The team was responsible for the development, maintenance and support of financial applications for the Monetary Analysis, and Financial Stability divisions of the Bank. Development required the use of C#, SQL Server (including SSIS and SSRS), ASP.Net, and MathWork's MatLab.

Avanta Ltd

(November 2011 – March 2013)

Senior Application Developer

Avanta is a "Welfare to Work" company contracted by the Government to help get the long term unemployed back into work. As a developer I was responsible for the delivery, maintenance, and support of in-house Web-based applications. All of sites were developed using the latest technologies including .Net version 3.5, HTML5, JQuery, CSS3, C#/ASP.net, and MS SQL. Working on a small team, I became the Technical Lead accountable for the delivery of all change and day-to-day operations of the applications.

Blenheim Carpets (London) Ltd

(January 2006 – October 2011)

IT Manager

Throughout my time with Blenheim Carpets, I have been responsible for all the day-to-day design, implementation and support for applications to meet the IT requirements, including the developing of multiple Websites, and the creation of a Customer Relationship Management Tool using technologies such as HTML, JavaScript, CSS, C#/ASP.net, and MS SQL.

Self-Employed IT Consultant

(March 2004 – January 2006)

Various Roles

Following my work at Netdecisions, I started my own company to undertake independent contracts, and complete freelance work. During my time I completed contracts for Marks & Spencers, and JATO Dynamics.

Logica PLC - IT Consultant

(September 1998 – December 2001)

IT Consultant

After graduating from the University of Edinburgh with a degree in Computer Science and Artificial Intelligence I joined Logica PLC as a developer. As part of the Space Division I took the opportunity to work at the European Space Agency in Germany developing satellite control software and being part of the launch support team.

Following my work at the ESA I began developing Websites using technologies including Perl/CGI, ColdFusion, MySQL, SQL, ASP “classic”, and ASP.net. By moving through several smaller projects I completed work as a full-stack developer.

Interests and Activities

My activities outside of work typically involve my two children, but I try to make time to keep fit and swim. I am an active member of the British Computer Society (BCS) and a committee member of the DevSecOps special interest group, as well as a CITP assessor.

I enjoy public speaking and regularly attend conferences as a keynote speaker or panel guest. Working through the Bank and as a STEM ambassador, I also promote Technology and Cyber Security through engagements with local schools.

References

Available upon request