Frederic PETIT

Guardium Consultant, Senior Data Analyst, Enterprise Data Security Expert

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Skills

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Experience

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LinkedIn profile Data Analysis, Database Security, Security Architecture

Analytics : Data Science - Data Analysis - Database Traffic Analytics - Excel & SQL - ELK - MongoDB - Python - scikit-learn - My OpenSource project **Google Data Analysis Professional & Google Analytics Certified (July 2023) See my Portfolio** -

Database Security : Guardium Data Protection (GDP) management (deployment, configuration & administration) - Database Vulnerabilities - Sensitive Data Discovery

Security Architecture : Data Security - Cryptography - Project Management

Wipro for a very large FI / Data Analytics-Data Engineering
Feb 2022 - Dec 2022, Remote

I managed a very large SonarG environment and assessed its UEBAs (User Entity Behavioral Analysis)

AIM Anthem / Senior Database Security Advisor
June 2018 - Feb 2022, Deerfield, IL

Analytics and Threat hunting : I successfully managed the SonarG environment and developed numerous functionalities, in particular Enriched ETL and EDA (Exploratory Data Analysis) , Detection of excessive extractions of sensitive data , Times series analysis.

See also, (2) , (3) , (4) , (5)

Senior Guardium (GDP) administrator : I successfully managed an environment of 50 appliances and 400 agents on (only) 10 to 20% of my time.

See how (1), (2)

IBM / Senior Guardium (GDP) Consultant
Jul 2010 - June 2018

Technical assistance on Guardium (GDP) to three (3) very large customers
Oct 2017 - June 2018, Remote with travel

Stabilized the environments, coached Guardium teams, assisted in relationships with Guardium support, enhanced management capabilities, assisted in analyzing the DB traffic

Senior Guardium (GDP) Consultant

Jul 2010 - Oct 2017, Remote with travel

Deployment and configuration of very large Guardium systems (agents + appliances). Design of SoPs and troubleshooting procedures.

Policies design and Implementation in compliance with HIPAA, PCI, SoX, GDPR etc… Database traffic analysis and reporting

Training

Guardium health-check systems and remediation

Other modules configuration and deployment : Vulnerability Assessment, Data discovery, Entitlement

Consultant on Database Security

Jan 2010 - Apr 2010, For EY - Database Security assessment -
Aug 2009 - Jan 2010, TekSystems for EY - Guardium management -

Motorola / Security Architect

Feb 2002 - May 2009, Schaumburg, IL

Database Security : Developed a Security Framework for the whole stack, from bare metal to middleware. Deployed a Database Vulnerabilities Management for the SOC. PoC'ed DB Traffic blocking

Cryptography : Deployed 2 PKIs, 2 Secure emails, 1 DRM, 1 desktop disk encryption - Delivered training on Cryptography -

Network : Deployed an Intrusion Protection System (IPS). Evaluated the security of an MPLS implementation.

Motorola / Worldwide Chip Card Technical Support Lead

June 2000 - Feb 2002, Rolling Meadows, IL

Assisted clients deploying Javacard Chip cards, from applet development, to customization and cryptography.

American Express / Chip Card Project Leader

July 1997 - May 2000, LOCATION

I successfully led the Javacard development of the "Blue from American Express" card and led several Chip card PoCs

Context22 / CTO

Jan 2020 - Present,

Unpaid position - Support for the Context22 OpenSource Project

Education

University Paris 1 - France / Bachelor in Economics

ENS Cachan / CAPES Sciences Economiques et Sociales
CAPES SES is the French High School Teacher certification in Economics

Harper College (Palatine, IL, USA) / Linux & Maths
Linux : CIS 165 (2004) & CIS 275 (2006)
Math : MTH 124 (2008) & MTH 165 (2010)

Stanford Center of Professional Development / Cryptography
July 2009 - "Using Cryptography Correctly" part of the [Stanford Advanced Computer Security Certificate Program](#) – Cryptography (XACS130)

Products

Guardium Data Protection - SonarG - MS PKI - Vormetric - Application Security - Protegrity column encryption - ELK - Proventia IPS - Pointsec disk encryption - PGP - AWS EC2 -

Contribution to Technology

[My OpenSource project Context 22 on Database Activity](#)

[My YouTube Channel on Database Security](#)

[My Twitter Channel on Database Security](#)

My (main) articles on LinkedIn on Database Security [(1)](#), [(2)](#) , [(3)](#) , [(4)](#) , [(5)](#)

Awards

US Patents: Patent US6101477 - US Patent # 6,931,381 (chip cards)

Certification : CISSP #103124 (2007-2013)

Languages : French (native), German (intermediate)

Work authorization : Green card