



Justin T Fry

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Education

Experience

Information Security Engineer

Summary

Accomplished Information Security Engineer and Cloud Security Consultant with over a decade of experience in securing enterprise environments, building scalable solutions, and driving innovation in cybersecurity. Expertise spans AWS cloud architecture, Identity and Access Management (IAM), penetration testing, and secure software engineering. Proven ability to integrate on-premises IAM with cloud platforms, develop advanced middleware solutions, and drive application security initiatives. Known for mentoring teams, delivering technical training, and building high-performance environments in global organizations. Certified CISSP, OSCP, and AWS Cloud Practitioner, with a strong foundation in computer science and a passion for leveraging cutting-edge technologies to safeguard digital assets.

May 2013

Northern Kentucky University, Highland Heights, KY

Master of Science in Computer Science

May 2013

Northern Kentucky University, Highland Heights, KY

Graduate Certificate in Secure Software Engineering

Jun 2008

Wright State University, Dayton, OH

Bachelor of Science in Computer Science

Mar 2020 – Present

Amazon Web Services, Cincinnati, OH

Senior Security Consultant

Working side-by-side with AWS customers to secure customer environments.

- Building IaC security solutions for customers
- Advising customers on security best practices
- Work with customers to integrate on-premises IAM with AWS
- Developed end-to-end analysis mechanism for identifying overly permissive AWS Roles
- Developed middleware solution for caching IAM users/groups to overcome an AWS SCIM limitation

Internal projects:

- Owner of the IaC training day for Security New Hire Bootcamp
- Help develop and deliver AWS Jam events
- Training Partners to deliver AWS Security offerings

May 2018 – Mar 2020

Fifth Third Bank, Cincinnati, OH

Staff Site Reliability Engineer

Responsible for building a scalable and highly-available environment for deploying identity solution.

- Using AWS for building highly-available and scalable environment
- Building infrastructure as code

Lead Application Security Engineer

Responsible for driving application security across the Corporate & Commercial Line of Business.

- Drive remediation of vulnerabilities found in Application Security Assessments / Penetration Tests
- Work with application teams to automate security scanning into development pipelines.
- Train developers and management on application security
- Collect security attestations from externally hosted applications within the LOB
- Mentor Security Champions

Jun 2015 – May 2018

Procter & Gamble, Cincinnati, OH

Associate Manager

Security Engineer

- Implementation of SSO for SAP using SAP Secure Login Client. Configuration of PingFederate for federation and SSO.

Identity & Access Management Solutions Manager

- Responsibilities include PingID Federation configuration and implementation (SSO, Federation, MFA).
- Automation of Ping Federate on AWS Platform

Ethical Hacker

- Responsibilities include leading and performing penetration tests on internal applications and infrastructure.

Jan 2013 – Dec 2019

Northern Kentucky University, Highland Heights, KY

Adjunct Instructor

Courses

- CSC 364 - Data Structures and Algorithms
- CSC 360 - Object Oriented Programming II (Java)
- CSC 260 - Object Oriented Programming I (Java)
- INF 120 - Elementary Programming (Python)

Jun 2010 – Jun 2015

Sogeti, USA, Cincinnati, OH

Senior Consultant

Procter & Gamble

- Integrated Informatics Platform (IIP): Database for Genomic Projects. Platforms: Java, Spring, Hibernate, Apache Wicket, Oracle 11g DB, Apache Struts
- GRaphical Structures Project (GRASP): Graphical Database for Chemical Structures. Platforms: Java, Spring, Hibernate, Oracle 11g DB, Symyx Isentris

GE Aviation

- PALIS: Messaging system for GE/Rolls Royce F-136 engine for F-35 Lightning II Joint Strike Fighter. Platforms: Java, Hibernate, Axis2, JSF

Jun 2008 – Sept 2009

Crown Partners, Dayton, OH

Associate Consultant

Developing extensions for EMC Documentum, Developing Java code for use in website marketing analytics, Developing Java code for internal website, SQL and EMC

Documentum DQL experience. Some work with EMC Captiva and EMC DocSci products.

Platforms: Documentum, SQL, Java, Windows Platforms, *nix Platforms, Virtual Machines

Skills

Platforms

- AWS
- Linux
- Windows

Certifications / Professional Memberships

- CISSP
- OSCP
- Infragard
- AWS Certified Cloud Practitioner

Languages

- Java
- Python
- PHP
- JavaScript
- C/C++
- SQL
- VB.net
- C#
- CSS/XHTML

Other

- CloudFormation
- AWS CDK
- IAM
- 3-tier Architecture
- DBMS
- APIs
- Microservices
- OAUTH
- SAML