

# LEE 'SIMBA' MTOTI

Plano, TX | 972.275.6072

[simba.job@andradge.com](mailto:simba.job@andradge.com) | <https://www.andradge.com/>

## Areas of Expertise

Security Technical Design Engineering & Architecture | DevSecOps Engineering | Privacy Engineering | Offensive Security Testing & Posture Assessments | Cyber Security Strategies & Innovation | Vulnerability Management & Prioritization | Security Products Management

## Software/Hardware Tools and Skills

PROGRAMMING LANGUAGES	Assembly (NASM, Borland TASM), C++, Perl, VB, VBA, VBScript, JavaScript, Java, R, Python
FULL STACK	Applications, Databases, OS-Windows, Linux, Arch Linux, IP networks, Web Server
COMMERCIAL SAST/DAST TOOLS	Fortify SCA(Static Code Analyzer), Ounce labs(Static Code Analysis), Web Inspect, QAIInspect, RAPID7 AppSpider (NTOSpider), IBM Appscan, Nessus, Canvas, SAINT, WhiteHat, SonarCube, Veracode
COMPLIANCE	Sarbanes-Oxley (SOX) section 404, HIPAA, VISA CISP/PCI; Security and Privacy Policy Development, NIST SP 800-53A
DATA SCIENCE	Data mining, munging, Web scraping, analysis, machine learning and modeling
DATA SCIENCE TOOLS	R, RStudio, Shiny, Python, Plotly Dash, Highcharter, Weka, Tableau, Octave, Matlab
CLOUD	AWS, Azure

## PROFESSIONAL EXPERIENCE

### MBO Partners, Plano, TX

3/2020–Present

#### **DevSecOps Consultant, KPMG Assignment Select (KAS), 3/2020–Present**

Championing DevSecOps for organization and beyond. Develop requirements for DevSecOps services to design solutions that rapidly integrate security into the client pipeline. Implement and operate DevSecOps solutions at varying levels of maturity from commercial tool integration through custom program builds. Clear communication of internal and external technical reports, project read-outs and presentations.

### Andradge SPPE, Plano, TX

5/2016–Present

#### **Founder & Principal Consultant, 5/2016–Present**

Andradge is a Cyber Security consultancy company that specializes in Security Technical Design Engineering & Architecture, DevSecOps Engineering, Privacy Engineering, Offensive Security Testing & Posture Assessments, Cyber Security Strategies & Innovation, Vulnerability Management & Prioritization, and Security Products Management

- **Project 1** - <https://kill3rbee.shinyapps.io/vFeedCard/>
- **Project 2** - <https://kill3rbee.shinyapps.io/vFarmers/>

### Verizon, Irving, TX

11/2008–12/2018

#### **Senior Principal, Security Engineering - Cyber Risk, Privacy & Compliance, 8/2017–12/2018**

Led Privacy Engineering (Privacy by Design) for GDPR, CCPA, championing data privacy and security integration into CI/CD pipeline to improve application teams' agility

- Architected and developed data exploratory analysis, validation, accuracy and reporting tool used on an internal data repository used by Legal, Finance and other portfolios to make data driven decisions.
- Developed an application/tool for searching and visualizing fully aggregated, cross-linked and standardized Vulnerability Database based on CVE and other standards (CPE, CWE, CAPEC, OVAL, and CVSS). This application can be used to triage application specific issue determined by the business risks associated with the application in conjunction with the security requirements.
- Created a mapping for GDPR and the new California Privacy policy into achievable Privacy by Design and Privacy by default and derive engineering requirements which can be implemented to meet Verizon regulatory and contractual responsibilities under the laws.
- Created documentation for educating and increasing employee awareness of security issues to include State/Federal mandates in support of federal law and corporate compliance (EEC Privacy Regulations, FCC, PCI, GDPR, CCPA, etc.).

#### **Distinguished Member of Technical Staff, Application Security, 1/2013–8/2017**

Lead the portfolio VPC Security Architecture and Network Design, Cloud Security best practice and integration of SAST and DAST into DevOps for all of Verizon Wireline Operations.

- Created standards for Enterprise VPC Security and Network design, Cloud Migration strategies, increasing DevSecOps automated processes across entire portfolio of > 100 legacy applications, toolchain integration,

micro-servicing architecture and standards for breaking apart a monolithic applications, standard architectures, templates, and automated pipelines using Jenkins, Ansible, and CloudFormation.

- Designed and developed an application that determined cloud risk baseline, amount of rework an application would require to make it cloud native for all portfolio applications (400+) planned to migrate to AWS
- Selected as instructor by Cloud Program Office to teach an AWS Solution Architect Group Sessions
- Managed different business portfolios to ensure that new products adhere to establish standards, policies and guidelines to reduce security risks, and recommend remediation approaches.
- Provided architectural and technical guidance to support information system and infrastructure design, improvements, and planning while identifying security architecture issues, and provided security solutions for gaps.
- Developed AWS Public Cloud migration architectures, automated pipelines, and reusable services.
- Migration of Legacy and Greenfield Enterprise applications in a lift and shift, transformational, and re-platform approaches using developed automated pipelines.
- Lead DevOps Toolchain Clearing House & Governance Team to standardize and automate Onboarding, Integration, Customization requests, Escalations, App Stack Standards, and Environment Management.
- Lead multiple cloud security projects as Portfolio Security SME on cross-team IT projects in regards to network security, platform security, application security, access and authentication to our enterprise environment.

### **Distinguished Member of Technical Staff, IT Security, 11/2008–1/2013**

Led application teams(including OFFSHORE), custodians within portfolio to implement Secure SDLC using Threat Modeling, SOPs, guidelines and policy to reduce IT risk within Verizon Wireline Operations.

- Performed portfolio specific penetration testing (white box, black box and gray box) of applications and systems.
- Performed portfolio specific web application assessments on large e-commerce site and corporate intranets for different business unit within Verizon.
- Developed security practices for Source Code Review, Manual Code Review, Manual Malicious Code Review and Web Application Custom Error Handling.
- Created training to assist developers understand how to identify threats and countermeasures for their application using Threat Modeling.

**NecUnified, Irving, TX Security Consultant – Cyber Security Solution**

**3/2007–10/2008**

**TransUnion LLC, Chicago, IL – Senior Security Consultant**

**3/2006–2/2007**

**ReddShell Corporation, Denver, CO (Acquired by Trustwave) – Senior Security Engineer**

**5/2005–3/2006**

**CNA, Chicago, IL – System Software Engineer**

**1/2003–5/2005**

---

## **EDUCATION**

**Data Mining for Advanced Analytics Graduate Certificate** – UC San Diego, San Diego, CA

**Graduate Business Analytics Certificate** - SMU COX, Dallas, TX

**Advanced Computer Security Certificate** - Stanford University, Stanford, CA

**Master of Science: Project Management (Information Security Management)** - Northeastern University, Boston, MA

**Master of Science: Computer, Information and Network Security** - DePaul University (CTI), Chicago, IL

**Master of Science: Distributed Systems** - DePaul University (CTI), Chicago, IL

**BBA: Information Systems** - University of Wisconsin-Madison, Madison, WI

**BBA: Operations and Information Management** - University of Wisconsin-Madison, Madison, WI

---

## **CERTIFICATIONS**

AWS Associate: Solutions Architect, Sys Ops Administrator, Developer

AWS Professional: Solutions Architect, DevOps Engineer

WCSD: WhiteHat Certified Secure Developer

CEH: Certified Ethical Hacker

ECSA: Certified Security Analyst

LPT: Licensed Penetration Tester

CCNA: Cisco Certified Network Associate; Cisco Certified Network Associate - Security

CASS: Certified Application Security Specialist

CIPP/US: Certified Information Privacy Professional/ United States

Machine Learning (Stanford Coursera)–VFY

Data Analysis & Statistical Inference (Duke Coursera)-VFY

Intro to Data Science (Udacity)–VFY

Data Science Specialization (John Hopkins) – VFY

Exploratory Data Analysis (Udacity Data Analysis w/R)–VFY

---

## **AFFILIATIONS**

Member International Association of Privacy Professionals