

B. Avenatti, CISSP, ISSEP, CISM, PMP...

Madison, AL 35756

Experienced technical leader with more than 16 years combined experience in cybersecurity and software engineering. Graduate degree in Cybersecurity. DoD 8570 IAT III, IAM III, IASAE III, and CSSP qualified. PMP. SAFe 6.0 POPM. NG CAM Trained. TS/SCI.

Experience

Senior Cyber Software Engineering Manager (April 2024 to Present)

Northrop Grumman – Huntsville, AL
Supporting design, fabrication, and implementation for a mega project through technical planning, system integration, verification and validation, cost and risk, and supportability and effectiveness analyses for total systems. Responsible for the logical and systematic conversion of customer or product requirements into total systems solutions that acknowledge technical, schedule, and cost constraints. Forging processes and building teams. Managing 69 million dollars of cybersecurity, software, and machine learning engineers. NG Cost Account Management (CAM) trained.

Cyber Software Engineering Manager (Oct 2022 to April 2024)

Adjunct Instructor (Nov 2020 to Present)

The University of Alabama in Huntsville - Huntsville, AL

Designed, developed, and teaching a certificate program in machine learning. Courses developed: 1) Structuring Data for Machine Learning, 2) Developing Machine Learning Models, and 3) Production-Ready Machine Learning.

Technical Consultant (March 2022 to Present)

ISC2 - Remote
Serving as a technical content lead for numerous educational products including ISC2 certifications (CISSP/CSSLP/CCSP/ISSMP/SSCP) and certificate programs. Assisting with strategic marketing efforts associated with educational products.

Cyber Technical Content Lead (Feb 2022 to Oct 2022)

Lead Cybersecurity Engineer (Oct 2021 to Feb 2022)

KBR - Huntsville, AL

Supported Missile Defense Agency (MDA) GMD by providing guidance on Government Risk Compliance (GRC), Risk Management Framework (RMF), and Business Continuity Planning (BCP/DRP). Document Owner for Ground-based Midcourse Defense (GMD) Disaster Recovery and Continuity Planning (DR/COOP) responsible for updates and testing according to NIST/ISO/IEEE. Led multiple System Security Engineering (SSE) teams.

Cyber Instructor, SME (Feb 2021 to Nov 2021)

The Alabama School of Cyber Technology and Engineering – Huntsville, AL

A philanthropic effort to design, develop, and teach a cybersecurity curriculum track for a state magnet school. Reviewed and revised content for a national effort to incorporate cybersecurity education into JROTC. Tennis coach. Art Instructor. Courses Developed: Cybersecurity Foundations, Ethical Hacking, and Secure Software Development.

Lead Cybersecurity Engineer (June 2020 to Feb 2021)

OASYS – Huntsville, AL

Led AEGIS SIV&V team to provide excellence in software assurance (SAST, DAST, Cyclomatic Complexity, Test Coverage, and Requirements Traceability). Responsible for the creation of a SIV&V Plan and Final Report. Coordinated and developed automated infrastructure for performing SAST scans and correlating results.

Cybersecurity Engineer (Nov 2019 to June 2020)

DESE Research – Huntsville, AL

Served as a software development SME supporting the Joint Federated Assurance Center (JFAC) Full Operational Capability (FOC) as part of a Cyber Support Team (CST) initiative. Aided OSD RE to evangelizing the standardization and adoption of DoD software assurance (SwA) efforts by conducting research and writing whitepapers relating to licensing, contracting, C-SCRM, SDLC, and DevSecOps.

Cybersecurity Engineer (July 2019 to Dec 2019)

Avacal – Huntsville, AL

Assisted PM ATC with the RMF/ATO process for ATNAVICS/TTCS/ACS/MOTS. Performed quarterly ACAS scans, STIG checks, and participated in software review board processes. Responsible and accountable for maintaining system compliance lifecycle in eMASS. Conducted risk management utilizing NIST SP 800 series.

SQL Developer (Jan 2019 to Sept 2019)

PeopleTec – Huntsville, AL

Built and maintained ASP.NET Core applications with T-SQL backend for PEO Aviation in an Agile/Scrum environment utilizing TFS Online repos and Azure DevOps. Built SSDT/SSIS packages to manage aggregation of several disparate data sources. Trained new developers. Advocated for Agile/Scrum.

Software Project Management Consultant (Jan 2019 to Jan 2020)

MedCo Services – Huntsville, AL



Led a team of geographically distributed developers working on strategic new features and functions in preexisting applications. Duties included managing product backlog items, gathering internal and external customer requirements, dividing work into iteration achievable capabilities. Scrum/adaptive project management. Additional duties included 20% development (primarily business logic and database layers).

IT Department Manager (Jan 2015 to Jan 2019)

MedCo Services – Huntsville, AL

Hired, trained, and managed an IT department that supported every technical aspect of a twelve million dollar a year healthcare company. Replaced aging network and server infrastructure. Renegotiated vendor contracts. Responsible for the timely release and development of 15 software products supporting internal customers.

Senior Software Engineer (June 2011 to Jan 2015)

Hexagon PPM – Madison, AL

GIS Field Service Engineer (April 2008 to June 2009)

QinetiQ North America – Software Engineering Group – FOB Salerno Afghanistan

Systems Test Engineer (May 2007 to April 2008)

University of Alabama in Huntsville – Huntsville, AL

Education

Master of Science in Cybersecurity

University of Alabama in Huntsville – Huntsville, AL

Bachelor of Science in Information Systems

University of Alabama in Huntsville – Huntsville, AL

Certifications

CERTIFICATION	CREDENTIAL ID
INFORMATION SYSTEMS SECURITY ENGINEERING PROFESSIONAL (CISSP-ISSEP)	832750
CERTIFIED INFORMATION SECURITY MANAGER (CISM)	2158908
CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP)	832750
PROJECT MANAGEMENT PROFESSIONAL (PMP)	2821582
CERTIFIED IN GOVERNANCE, RISK AND COMPLIANCE (CGRC)	832750
CERTIFIED CLOUD SECURITY PROFESSIONAL (CCSP)	832750
CERTIFIED SECURE SOFTWARE LIFECYCLE PROFESSIONAL (CSSLP)	832750
CERTIFIED DATA PRIVACY SOLUTIONS ENGINEER (CDPSE)	2113141
COMPTIA PENTEST+	COMP001021459701
CERTIFIED ETHICAL HACKER (CEH)	ECC6273814590
COMPTIA CYBERSECURITY ANALYST (CySA+)	COMP001021459701
COMPTIA SECURITY+ CE	COMP001021459701
ARTIBA ARTIFICIAL INTELLIGENCE ENGINEER (AIE)	897600949
CERTIFIED ENTRY-LEVEL PYTHON PROGRAMMER (PCEP)	213456
CERTIFIED SAFE® PRODUCT OWNER / PRODUCT MANAGER	38348597-0754
CERTIFIED SCRUMMASTER (CSM)	001095648

Publications

TITLE	DATE
JOINT FEDERATED ASSURANCE CENTER (JFAC) LICENSE MANAGEMENT AND OPEN-SOURCE REPOSITORIES (CUI)	5/2020
JOINT FEDERATED ASSURANCE CENTER (JFAC) SECURE CODING STANDARDS AND GUIDELINES (CUI)	6/2020
DEPARTMENT OF DEFENSE (DOD) SOFTWARE ASSURANCE CAPABILITIES LIST (CUI)	6/2020
DEPARTMENT OF DEFENSE (DOD) SOFTWARE ASSURANCE TOOL ACQUISITION FRAMEWORK AND FUNDING MODELS (CUI)	7/2020
JOINT FEDERATED ASSURANCE CENTER (JFAC) SWA METRICS (CUI)	7/2020