

# ANDREI CHOULGA

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## EDUCATION:

**NYU Grad M.S. in Cybersecurity** / GPA 3.9/4 / Started **QRCP Quantum Resistant Cryptocurrency Project**

**Brooklyn College:** B.S. in Computer Information Science (2006)

**Certifications:** Sun Microsystems (Oracle) - SCJD, SCWCD, SCDJWS, SCEA see LinkedIn for details

## PROFESSIONAL SUMMARY:

Experienced professional with 20+ years of experience in Software Development with 8+ years of experience in the Cybersecurity field, is eager to contribute to company and team success. I bring research, test-driven development, detailed planning, documentation, and dedication to my team. I thrive in both team and individual settings, and welcome challenging projects that will take my skills to the next level.

## WORK EXPERIENCE:

Company: **Ameritas (ameritas.com)** New York, NY  
Position: **Sr Information Security Architect** 10.2022-present  
- Evaluated and improved security for all company services and infrastructure, worked with six different dev teams, designed/improved and deployed DMZ, Network Access Control (NAC), Software Defined Perimeter (SDP), Endpoint Detection & Response (EDR), Data Loss Prevention (DLP), configured firewall rules, automated security test scripts, troubleshooted issues by analyzing packet captures.  
- Created **Security Baseline Requirements** based on **NIST 800-53** controls, introduced threat modeling.  
- Trained a security team to properly assess and triage new features for risk & work w. dev teams to remediate.  
- Performed extensive **DAST** and **SAST** with API, Web and Apps, **OWASP** and **MITRE ATT&CK** based.  
- via Tenable.io Interfaced with clients for whom vulnerability tests were done, explained what needed to be fixed.  
- Managed public and hybrid cloud architectures in AWS, Azure  
- Writing, scheduling, maintaining automated tests to check web, desktop and mobile apps (Android/iPhone) functionality in Dev, QA and Production environment.  
- Performed vulnerability testing, risk analyses, security assessments on product lines for every release phase (**BurpSuite**, **Mimikatz**, **Cobalt Strike**, **PowerSploit**) Managed tests **CrowdStrike** and **Rapid7** for clients.

Company: **Cisco - Webex team (webex.com)** New York, NY  
Position: **Cybersecurity specialist** 01.2022-08.2022  
- Aligned security baseline to reflect **NIST 800-53** by breaking it down into 15 security domains for **CSDL** - Cisco Secure Development Lifecycle. Consulted Engineering teams to ensure secure development is implemented in all of our products, helped select the best solution & outcomes our security posture.  
- Performed **DAST** (Invicti, Burp, ZAP) and **SAST** (Veracode). Ensuring compliance w. **FedRAMP**, **SOC 2**, **FISMA**.  
- Managed and improved **Vulnerability Management lifecycle (Helped migrate from Qualys to Tenable.io)**  
- Worked with developers on application security relevant to: **OWASP**, **SANS 25**, **Threat Modeling**, **API security**, **Validating Encryption and Key Mgmt**, **Validating Identity and Access Mgmt**, **Validating Client security**, **Security hygiene** - **TPSD (Third-Party Software Digitization)**, **Static/Dynamic analysis**, **X.509**, **OAuth**.

Company: **NetworkShark** New York, NY  
Position: **Cybersecurity specialist** 04.2014 - 12.2021  
- Setting up **DevSecOps CI/CD** process automating **Qualis**, **Jenkins** following **NIST 800-53** controls baseline.  
- Performed pen testing/**DAST** using **Burp Suite**, **Acunetix**, **Kali Linux**, **Metasploit**, **Nessus**; **SAST** (Checkmarx)  
- Improved **Docker+Kubernetes** by setting up **Terraform** and **HashiCorp Vault**.

Company: **SAXO Bank - Software Engineer (2009-2014)** / Company: **FXCM - Software Engineer (2004-2009)**

## SKILLS/TOOLS:

**Languages:** C/C++, Java/J2EE, C#, Python, JavaScript (React.js/Node.JS/EmberJS/jQuery), Bash, PowerShell

**Cloud:** AWS - EC2, EKS, S3, IAM, RDS, KMS, CloudFormation, CloudWatch, CloudTrail // SailPoint

**DB:** Oracle, MongoDB, SQL, SQLite, MySQL, Cassandra, Redis **DB Tools:** IDERA, RazorSQL, Toad SQL

**Dynamic Application Security Testing (DAST):** Acunetix, Kali Linux, Metasploit, Nessus, Wireshark.

**Static Application Security Testing (SAST):** Checkmarx, GitLab, Veracode, SourceGuard, Fortify SCA, AppScan

**Network Security / Monitoring:** Splunk, Nagios, Argus, P0f. **Proxy:** Zed Attack Proxy (ZAP), Charles, Fiddler.

**Web Vulnerability Scanning Tools:** Burp Suite Pro, Paros Proxy, Nmap, Nessus Professional, Arachni.

**SIEM platforms:** Splunk, Datadog, QRadar (limited: AlienVault and LogRhythm) + Zscaler Zero Trust Exchange

**Build Technologies & CD/CI:** Jenkins, Teamcity, Apache Ant, Apache Maven, Docker, Kubernetes, Terraform.