ANDREI CHOULGA

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EDUCATION:

NYU Grad M.S. in Cybersecurity / GPA 3.9/4 / Started **QRCP Q**uantum **R**esistant **C**ryptocurrency **P**roject
Brooklyn College: B.S. in Computer Information Science (2006)

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: **Cybersecurity specialist - contract**   10.2022-present
- Evaluated and improved security for all company services and infrastructure, worked with six different dev teams.
- 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.
- 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 - contract**   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 - contract**   04.2014 - 12.2021
- Setting up **DevSecOps CICD** process automating it **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**.
- via **Tenable.io** Interfaced with clients for whom vulnerability tests were done, explained what needed to be fixed.
- Automated vulnerability fix tickets into **Jira**, billing system and managed the vulnerability fixes.
- Managed public and hybrid cloud architectures in **AWS**, **Azure** (limited on **Google Cloud**)

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
DB: SQL, MySQL, SQLite, PostgreSQL, KDB+.
Cloud: AWS - EC2, EKS, S3, IAM, RDS, KMS, CloudFormation, CloudWatch, CloudTrail.
DB: Oracle 8i-19c, MySQL, Cassandra, Redis, MongoDB **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).
Build Technologies & CD/CI: Jenkins, Teamcity, Apache Ant, Apache Maven, Docker, Kubernetes, Terraform.
QA Tools: Selenium, Appium **Stress test**: LoadRunner, WebLOAD, Vegeta, locust.io
Other: SalesForce.com, Jira, Spring-Boot, Confluence, Git, Subversion SVN, Perforce, PKI.