

Hanna Nyzhnia, M.S.

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WORK EXPERIENCE

Archilabs

Houston, TX

Full Stack Developer

Sep 2024 - Feb 2025

- Developed and deployed automations for advanced archviz tools pipeline from Autocad to Blender to Unreal Engine, optimized rendering time from 5 minutes to 30s.
- Optimized backend processes to support seamless browser-based rendering of complex architectural models, achieving reduced streaming latency and improvement in load times and supporting over 200 concurrent users during peak periods.
- Engineered a web application enabling real-time conversion of AutoCAD drawings into interactive parametrical 3D renders, resulting in a 50% decrease in client review cycles and increasing visualization accuracy.

Mission Zero

Houston, TX

Full Stack Developer

May 2023 - Dec 2023

- Collaborated with cross-functional teams to implement scalable backend architecture, supporting up to 5000 concurrent users and facilitating seamless container tracking for sustainable delivery operations.
- Designed and developed over 15 interactive UI/UX prototypes, streamlining user workflows and reducing onboarding time by 30%, resulting in enhanced user engagement.
- Integrated complex RESTful APIs and third-party services into the React Native front end, improving data synchronization efficiency by 35% and enhancing user experience across 15,000+ downloads.

KPMG

Kyiv, Ukraine

Cybersecurity Consultant

Dec 2021 - Dec 2022

- Conducted assessments of bank cybersecurity policies, identifying and reporting on multiple vulnerabilities.
- Presented recommendation plan that removed vulnerabilities and enhanced compliance by an average of 40%.
- Evaluated security policies against ISO 27001-27002, VAIT, and NIST ICS standards for a portfolio of 5 clients, resulting in improved compliance and risk mitigation.
- Led country-specific legislation policy research to help clients understand risks and opportunities of business expansion, resulting in strategic recommendations for each client.

EDUCATION

Kyiv National University of Construction and Architecture

Master of Science, Cybersecurity

Graduation Date: Jan 2023

PROJECT EXPERIENCE

EPAM UA

Web Penetration Testing Bootcamp Participant

Aug 2021 - Oct 2021

- Hands-on experience in identifying security vulnerabilities and weaknesses in web applications, as well as developing mitigation strategies and recommendations for improving the organization's security posture.
- Conducted mobile penetration testing to identify and exploit security weaknesses in mobile devices and applications, using tools such as Metasploit and Nmap.
- Developed strong report writing skills, creating detailed documentation of findings and recommendations for remediation.

QA tester

Sep 2021 - Dec 2021

- Ensured that the software and systems related to telecommunications met the highest standards of quality by identifying and reporting 50+ defects, tracking their status to ensure that they were resolved efficiently.

- Collaborated with 3+ teams such as product management, customer support, and operations, ensuring that testing procedures were strictly followed throughout the software development lifecycle.

SKILLS & INTERESTS

Skills: JavaScript, Python, Bash, SQL (MySQL, SQL Server), PowerShell, Unix-based OS (Linux: Kali, Mint), Windows, MacOS (CLI and GUI), firewall security applications (TCP/IP), HTTP/HTTPS, security protocols (SSL/TLS, SSH, DNS, IDS/IPS, VPN), DNS records, certificates, public/private key pairs, OWASP Top 10, written and verbal communication, independent work, network security, firewall management, vulnerability assessment, penetration testing, cryptography, risk assessment, incident response, security standards (NIST, ISO 27001, GDPR), cloud security (AWS, Azure, Google Cloud Platform), Docker, Kubernetes, CICD pipeline, API development, SaaS, PaaS, IaaS, HTML, CSS, JavaScript (React, React Native, Expo, Node.js), Git, GitHub, Python, Jupyter Notebooks, Figma, Spline.

Interests: User-friendly interfaces, mobile app development, cybersecurity, project management, devops, cloud platforms