LUKA FRENC
SOFTWARE ENGINEER & SECURITY CONSULTANT

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lfrenc 🔗
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🇪🇺 EU citizen

CAREER & EXPERIENCE

Jun 2021 - Present　　　　　　　　Remote 📍

Locknight (Co-founder of a start-up)
**Senior Backend Developer &
Chief Information Security Officer**

- Engineered innovative **zero-trust cloud and on-premise** platforms from scratch for **private real-time communication** and **remote access** based on **Node.js (Typescript), Go, Python, Bash, and SQL**
- Leveraged advanced programming structs and technologies such as **WebRTC, docker, recursion, decision trees, semaphores, mutexes, async functions, multi-threading, UNIX sockets, and IPC** to achieve 24/7 production service availability
- Crafted **quantum proof** security algorithms based on **asymmetric cyclic crypto matrices (ACCM)** to achieve maximum API and data protection
- **Collaborated** with **cross-functional teams** to design secure, **scalable** solutions for client-facing applications
- Led and managed **crucial technical operations** to ensure stability and cyber security well-being
- **Reduced** operational **costs by 21%** through implementing advanced cloud security measures
- Presented and implemented cybersecurity **strategies** for key clients to a**chieve compliance and operational security**.
- **Authored** technical documentation for client security infrastructure, **ensuring seamless handovers** and implementation

Jan 2021 - Feb 2022　　　　　　　NY, USA 📍

Mess Apps Inc.
**Medior Backend Developer &
Technical Consultant**

- Developed **high availability services** for **live streaming** and **geo-location tracking,** including **Uber-like services** using **Nest.js (Typescript) and SQL**, running on **Linux kernels**
- Projected and constructed secure and efficient solutions to achieve complex logical **geo-location**, streaming, **background scheduling**, and other **asynchronous operations**
- Managed and led remote team gatherings to ensure stable work efficiency throughout Backend and Frontend **teams from around the world**
- Conducted technical workshops to **educate clients** on **best practices** for secure system architecture and data protection
- Identified and **addressed vulnerabilities** in client systems, saving an estimated **$170k in potential downtime**
- Implemented security measures that **reduced exposure** to Remote File Inclusion (RFI) vulnerabilities, **safeguarding** the company's critical infrastructure

Aug 2018 - Dec 2020　　　　　　　FL, USA 📍

Jacksonville University
Computer Science & Cyber Security Tutor

- Directed students in developing secure and reliable programs in **C++, C#**
- Optimized network security by analyzing **vulnerabilities and flaws**
- **Trained and mentored** junior consultants, fostering a culture of **security awareness** of the community

EDUCATION

Jacksonville University, FL USA
2017 - 2020

- **Bachelor's in Cybersecurity**
- **Bachelor's in Computer Science**
- Physics Minor
- Full Scholarship Student-Athlete
- President's & Dean's List
- NSLS Member
- **GPA: 3.8 / 4.0 [A]**

TECHNOLOGIES

Node.js　Typescript　Javascript　Python　BASH
C++　C#　Docker　PHP　SQL　.NET
SQL　NOSQL　Linux　Nest.js　Azure　Go
AI　ML　VMWare　PAM　Git　Angular　CI/CD

CERTIFICATES

Watsonx AI L1　**Watsonx AI L2**　**Watsonx AI L3**　**Harvard X ML & AI**

ACHIEVEMENTS

"DIGICON" conference speaker
2024
- Led and tutored at a national cyber security conference as a **Cyber Security Expert**

OSCP and CEH trainee
2018 - 2020
- Attended and completed one of the hardest **Penetration Testing** and Security training in the industry governed by **Offensive Security**

International Rowing Champion
2013 - 2020
- Graduated from a prestigious **US college as a Men's crew student-athlete and a multi-national champion,** including **FIRA, SIRA**, and other Int'l regattas

LANGUAGES

- **English**: Fluent
- **Hungarian**: Fluent
- **Serbian**: Fluent
- **Russian**: Fluent
- **Macedonian**: Fluent