Jonathan Lyashko

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EDUCATION

University of Waterloo   **Sep. 2023 – May 2028**
Bachelor of Applied Science in Computer Engineering   *Waterloo, Ontario*

EXPERIENCE

Systems Developer   **Sept. 2024 – Dec. 2024**
Co-operators   *Ontario*
- Automated workflows by developing and deploying **Python and Bash scripts** for tracking and management of areas such as SSL certificate renewal, improving efficiency and reducing manual oversight.
- Debugged and **optimized CI/CD tools**, including Docker files and Jenkins build jobs, ensuring reliability through github checks and various unit tests
- Designed and implemented new CI/CD **pipelines using Terraform,** enhancing deployment automation and adhering the Infrastructure as Code best practices
- Created GitHub automations with **GitHub Actions,** streamlining repository management and integration.
- Developed and maintained **.NET Web APIs using C#**, integrating internal NuGet packages to enhance functionality
- Collaborated in an AGILE environment, participating in daily stand-ups, retrospectives, and **writing new documentation** to ensure team alignment, transfer of knowledge, and timely delivery of tasks

Freelance Full Stack Developer   **Mar. 2024 – Aug. 2024**
🔗 *Pare (HR-Tech Startup)*, 🔗 *Adjutos (EA-Tech Startup)*, 🔗 *Bars (Cleaning and Landscaping)*   *Ontario*
- Scaled Pare's website traffic from 0 to **5000 requests per month** by implementing website best practices and optimizing SEO, significantly enhancing the startup's online presence and investment exposure.
- Utilized expertise in **React, NextJS, and NodeJS** to deliver comprehensive full stack web solutions, driving improved user experience and **increasing web traffic by 58%** for Adjutos
- **Boosted client acquisition by 20%** for Bars through the development of efficient back-end code using NodeJS, facilitating seamless client-business email services via EmailJS
- Actively collaborated with cross-functional teams to ensure cohesive and effective web development strategies, resulting in the **successful deployment** of multiple high-impact web projects.

Vice President - Events Coordinator   **Apr. 2024 – Present**
University of Waterloo Debating Society   *Ontario*
- Organized a debate tournament with over 100 participants, **managing logistics** and scheduling for a two-day event.
- Coordinated various events, including briefings, seminars, and adjudication sessions, ensuring **seamless execution**.
- Oversaw registration and **payment processes**, handling early bird and regular fees, and managing financial deadlines.

CERTIFICATIONS

AWS Certified Developer - Associate   **Apr. 2024**
Amazon Web Services

Microsoft Certified: Azure AI Fundamentals   **Feb. 2024**
Microsoft

PROJECTS

Automated Medication Dispenser | *C, CubeIDE, STM32, TinkerCAD*   **Oct. 2023 - Dec. 2023**
- Developed **firmware in C** for a medication dispensing advice designed to safegaurd patients from unintended dosage amounts
- Designed and produced a 3d model to package and operate an **STM32** micro controller and step motor

🔗 **Rust Based Snake Game** | *Rust, Typescript, Web Assembly, Webpack*   **Feb. 2024**
- Recreated the classic snake game in **Rust**, optimizing it for high performance and memory safety, and compiled it to **Web Assembly** for rapid execution.
- Enhanced user experience by incorporating a **TypeScript**-based frontend that dynamically displays game progress and player statistics.

TECHNICAL SKILLS

Programming Languages: Typescript, Javascript, Python, C++, C#, C, Java, Rust, SQL, VHDL, Terraform
Developer Tools: Postman, Webpack, Git/Github, Jupyter Notebook, Parcel, TinkerCAD, Blender
Technologies/Frameworks: NextJS, NodeJS, React, .NET, TensorFlow, Tailwind, FPGA Design, COMSOL
DevOps: Jenkins, Splunk, Vault, Kubernetes, **Docker**, Helm, Linux, Kong