Jeffrey Riaboy

Senior Software Engineer

Q Contact

🔾 Rockwall, TX 75087

• Available on Request

🔀 jeff@riaboy.com

\mathscr{O} Websites

- linkedin.com/in/jeffreyriaboy
- <u>www.castledragmire.com</u>
- <u>stackoverflow.com/u/698632</u>

6,662 ● 5 ● 34 ● 48

ళి Skills

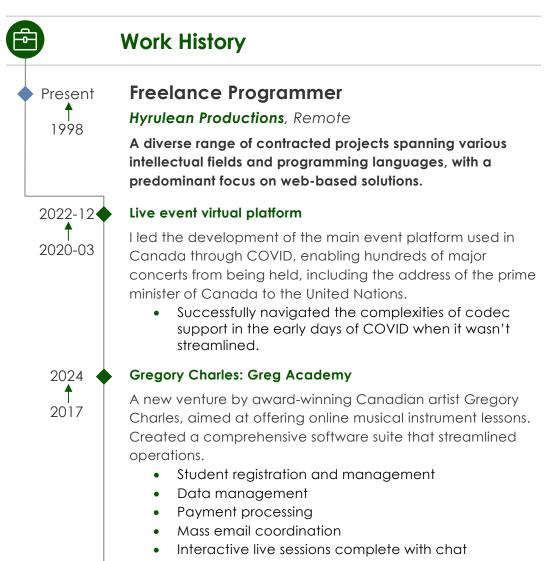
Full stack web tech	
Native platform apps	
Computer architecture	
Databases	
Parallel computing Cloud and threading	
Security	$\bullet \bullet \bullet \bullet \bullet$
Optimization	$\bullet \bullet \bullet \bullet \bullet$
Networking	••••
Scalability	
Reverse engineering	
2D programming	
3D programming	
Cryptography	
Emulation	
Hardware integration	$\bullet \bullet \bullet \bullet \bullet$
	$\bullet \bullet \bullet \bullet \bullet$
Low level programming Internationalization	
Internationalization	

I'm a senior developer cultivating over 25 years of industry experience over which I have honed my ability to discern client needs, crafting software solutions that align with their objectives.

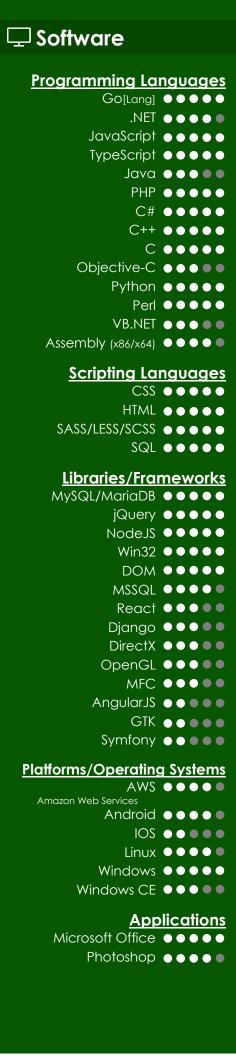
My tenure at Intellitix notably highlighted my capacity to engineer comprehensive software suites from the ground up, enabling millions of concertgoers across the Americas, and subsequently worldwide, to enjoy seamless event experiences at the largest music industry events.

I possess a strong inclination towards challenging projects that allow me to stretch the limits of software implementation and optimization, particularly in high-performance and processor-intensive environments using C/C++. I also bring a wealth of knowledge in full stack web technologies on a global scale, backed by a versatile proficiency in a broad spectrum of programming languages and libraries.

As a disciplined software engineer, my goal is to design and deliver superior-quality products. My portfolio spans a diverse array of applications across various sectors and my dedication to excellence is the cornerstone of my approach to software development, driving me to continuously explore, innovate, and excel.



functionality
Seamlessly integrated with Thinkific, an online teaching platform



• Has over 10,000 registered students actively using the Academy, being one of the largest such organizations in Canada.

Gregory Charles: Vintage Experience

2017

2013

2018-01

2013-01

2013-01

2010-06

Software for Gregory Charles' \$8 million <u>Vintage</u> <u>Experience</u> project.

- Mobile-responsive web pages that allowed realtime audience interaction during live performances, facilitating Q&A and messaging with the artist
- A comprehensive control suite enabling the stage manager to push audience-driven content to the two massive stage monitors and the artist's piano-integrated screens
- Created the primary marketing website
- Interactive system for audience members to order drinks via their mobile devices, integrated with a backend for staff to efficiently manage these orders
- Voting system capable of processing millions of web page votes within 30 seconds — a feature first unveiled during the Gala Artis, a prominent Québécois Television award show

Senior Developer

C2 Montreal, Montreal, Canada (Hybrid)

A business networking and ideas conference.

- Software for client and partner management and credential creation
- Voting website with server software capable of graphically displaying real-time vote tabulations onstage during a Microsoft panel
- Integrations with various other conference management systems

Chief Software Engineer/Cofounder

Intellitix, Canada/US (Hybrid)

Developed, deployed, and supported the world's most advanced RFID software and hardware solution for the live music industry.

- Orchestrated the design and implementation of the entire core software suite from the ground up
 - Access control
 - o Cashless transactions
 - Ticket management
 - \circ Social media integration
 - Ticketing systems integration
- Managed a team of three developers
- As of 2012 became the digital presence backbone, without any downtime, of the largest outdoor music festivals in North America and Europe with over 4 million patrons. Included prestigious events like

分 Education

Rose-Hulman Institute of Technology Terre Haute, Indiana, 2002-2003

abla Honors

Eagle Scout Boy Scouts of America, 2002

\cancel{x} Recommendations

I have hired Jeffrey multiple times over the last decade. First as a server administrator for DeltaArc Ltd, then as a software engineer at Ticketpro Canada, and finally as Lead Software Engineer for Intellitix. The projects that were assigned to Jeffrey at Ticketpro were always the ones that required extensive knowhow and expertise in multiple fields. By delivering complete and bug-free products in record time, he has literally saved both of my companies on multiple occasions. His knowledge is extensive, from web programming to low-level languages, and he is impressively good at explaining concepts to users who have no knowledge of the technology used. I highly recommend Jeffrey to anyone who may require his expertise. You will not be disappointed by him.

Martin Enault, CEO of Intellitix Inc and Deltaarc

Jeffrey Riaboy is by far the most experienced, knowledgeable, ingenious, and thorough programmer I have ever had the pleasure to work with. In my time working with Jeff I have found him to ao above par with every expectation I have of a fellow programmer in the 12+ years I have been working in the field. This is to include developers that I have worked with when developing military simulation war games systems in the Defense Department among others. Jeffrey Riaboy has proven himself as a "go-to" man for literally any topic within the realm of computers and computer programming or web development. In addition, Jeffrey has an impressive level of managerial skill and knowledge that he can draw upon. Jeff's work ethic and efficiency is by far among the highest I have encountered anywhere at any time. The bottom line is Jeff gets the job done; and it's done exceedingly well.

Will McCready, Coworker at Hyper-Werx Inc.

My experience with Jeff at DeltaArc is what inspired me to eventually track him down to work with him at Qrush Technologies. Jeff is great at programming in many different languages and applying himself to quickly learning new technologies. He is extremely resourceful when tackling challenging projects and deadlines.

Adam Shen, Interface Engineer at OgilvyOne

\bigcirc References

References available upon request

2010-02

Austin City Limits, Bonnaroo, Coachella, and Lollapalooza

- Was the market leader, and had won the "Most Effective Mobile Ticketing Solution" award at the Mobile Marketing Awards in London for the software solutions I had designed.
- Raised \$860,000+ for Charity: Water in 2012 in only 20 minutes, through a completely cashless solution

Lead Software Engineer

Hyper-Werx Inc., Cedar Park, TX

A programming language designed for natural parallelization.

- Core programmer for the Par++/Raptor system
- Assumed leadership as the team manager
- Language was engineered to automatically utilize available resources (multiple cores and computers in a cloud) to scale to their fullest potential



2006-04

2003-10

2002-07

2002-02

Lead Programmer

Ticketpro Canada, Montreal, Canada (Hybrid)

• Rebuilt the software infrastructure including several websites with comprehensive database systems from the ground up



Qrush Technologies, Dallas, TX

Computer repair, security, installation, and primarily website building.



Other Notable Projects

Ragnarok Online community

I ran a moderately sized community centered around my expertise in **reverse engineering and manipulating a fairly popular MMORPG**. My work not only unveiled the underlying mechanics of the game but also **fostered a collaborative space for enthusiasts** to explore and innovate within the gaming landscape.



Hynes

I developed a **full speed NES emulator** in Visual Basic 6. This project was particularly challenging due to the limitations of the language for such a task. However, the primary goal was to prove that, with skill and determination, it is **possible to achieve significant accomplishments in any versatile programming language**, even those not traditionally associated with high-intensity computational tasks. This endeavor effectively demonstrated that perceived limitations of programming languages can be **overcome with innovative approaches**.