Anthony Miller Sr

Software Engineer | Web & Data Solutions Developer

📍 St. Louis, MO | 📞 (314) 914-0720 | ✉ anthony.millersr82@gmail

💼 PROFESSIONAL EXPERIENCE

Unlocked Labs, St. Louis, MO — *Software Engineer*

📅 **January 2024 - Present**
🚀 **Transforming the Justice System with Education & Technology**

- **Developing education and data platforms** that expand **educational access for incarcerated individuals**, addressing the **60% illiteracy rate in prisons**.
- **Building data-driven solutions** to analyze and improve **educational and rehabilitation programs** within the justice system.
- **Designing and implementing scalable open-source software** to help states:
  - Support re-entry with **student achievement records**.
  - Increase access to **rehabilitation and education programs**.
  - **Analyze & visualize program effectiveness** to inform policy changes.
- **Enhancing parole and release tracking systems**, ensuring **fair implementation of earned credit policies**.
- **Optimizing data workflows and automation**, enabling **real-time analysis of education outcomes** for justice reform initiatives.
- **Collaborating with cross-functional teams** to develop **intuitive, accessible web applications** for incarcerated students and program administrators.

LaunchCode, Jefferson City, MO — *Teaching Assistant*

📅 **February 2023 - December 2023**

- Assisted lead instructors in **teaching full-stack web development** as part of the LC101 program.
- Provided **hands-on guidance in JavaScript, Java, and web development fundamentals**.
- Helped **students build real-world applications** to demonstrate their technical skills.

🎓 EDUCATION & CERTIFICATIONS

Central Methodist University — *Business Administration*

📅 April 2022 - June 2024

LaunchCode — *Java Developer Certification*

📅 May 2022 - December 2022

U.S. Career Institute — *Personal Fitness Trainer*

📅 September 2019 - March 2019

Blackstone Career Institute — *Legal Assistant Paralegal*

📅 February 2018 - July 2018

Technical Certifications:

- **IBM — Generative AI: Prompt Engineering Basics** *(April 2024)*
- **Scrimba — Prompt Engineering for Web Developers** *(June 2024)*
- **IBM — Generative AI: Elevate Your Software Engineering Career** *(July 2024)*
- **IBM — Generative AI: Introduction and Applications** *(July 2024)*
- **IBM — Generative AI for Software Developers** *(July 2024)*
- **META — Introduction to Backend Development** *(July 2024)*
- **META — Introduction to Frontend Development** *(August 2024)*
- **IBM — Python For Data Science AI Development** *(January 2025)*
- **IBM — Introduction To Software Engineering** *(January 2025)*
- **IBM — Introduction to HTML, CSS, & JavaScript** *(January 2025)*
- **IBM — Introduction To Artificial Intelligence** *(January 2025)*
- **IBM — Developing AI Applications with Python and Flask** *(February 2025)*
- **IBM — Building Generative AI-Powered Applications with Python** *(February 2025)*
- **IBM — Software Development Career Guide And Interview Preparation** *(February 2025)*
- **IBM — IBM AI Developer** *(February 2025)*

🛠️ TECHNICAL SKILLS

💻 Programming Languages:

Python, JavaScript, Java, SQL, JSON, HTML5, CSS3, TypeScript, CNC, PHP

📚 Frameworks & Libraries:

- **Web Development:** Flask, Node.js, Jinja, Angular, Spring Boot, Spring JPA, Thymeleaf, Bootstrap
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Streamlit

🗄️ Databases & Data Processing:

SQL, PostgreSQL, MySQL, MongoDB, Data Cleaning & Transformation

📊 Data & Survey Analysis:

- **Qualitative & Thematic Data Analysis:** NLP-based sentiment analysis, text classification
- **Automated Data Processing & Workflow Optimization**
- **Data Visualization & Reporting:** Creating interactive dashboards and data summaries

🛠️ Tools & Platforms:

VS Code, IntelliJ, Jupyter Notebook, Google Colab, Git, Docker, BobCAD, AutoCAD

🏆 AWARDS & RECOGNITION

- **Recognition of Support:** Assisted with teaching LaunchCode's 2023 Web Development JavaScript & Java Course.