Joseph Andrew Sabo

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PROFESSIONAL EXPERIENCE

Tartigrade Ltd.   **May. 2025 - Jan. 2026**
<u>Technical Intern</u>   Calgary, AB
- Provided system troubleshooting for authenticated backend services, diagnosing access errors, data integrity issues, and operational failures affecting internal tools and user-facing application workflows
- Implemented access controls and input validation mechanisms to prevent unauthorized actions, reduce data corruption risks, and improve overall reliability of service-layer operations
- Maintained REST-based services by resolving recurring operational defects through structured debugging, root cause analysis, and coordinated fixes with engineering team members
- Supported change management workflows using version control and code review processes to reduce deployment errors, regressions, and service disruptions in production environments

WeGuide   **Mar. 2025 - Sep. 2025**
<u>Technical Intern</u>   Calgary, AB
- Built Python automation pipelines for large document workflows, implementing validation and structured error detection to improve reliability of data extraction and processing operations
- Evaluated extraction tooling accuracy, documented common failure modes, and reduced processing errors by refining normalization logic for structured data ingestion pipelines
- Optimized batch processing workflows to reduce manual handling, minimize operational failure points, and improve consistency across large-scale document processing jobs
- Collaborated with operations and product teams to identify recurring workflow bottlenecks and implement automation improvements reducing processing delays and reliability issues

Code Ninjas   **Mar. 2025 - Sep. 2025**
<u>Coding Instructor</u>   Airdrie, AB
- Instructed students aged 7–14 on core programming concepts through interactive, project-based learning in JavaScript, Scratch, ScratchJr, and Robotics, providing fun lessons to diverse learning speeds
- Mentored students in logical thinking and algorithmic design, encouraging independent coding projects and creative problem-solving through hands-on exploration
- Provided detailed feedback on block-based code structures in Scratch, highlighting optimization opportunities and suggesting more efficient logic paths to improve execution and performance
- Led robotics workshops introducing hardware interaction and sensor-based programming, fostering curiosity and engagement through weekly hands-on challenges

Connect Link   **Sep. 2024 - Nov. 2024**
<u>Technical Intern</u>   Calgary, AB
- Built OAuth-authenticated API integrations reinforcing identity and access control concepts within internal data pipelines supporting automated data retrieval workflows
- Automated data retrieval workflows with validation and structured output to improve reliability and consistency for downstream system processing tasks
- Tested and stabilized API workflows to reduce retrieval errors, improve monitoring visibility, and increase operational reliability of data synchronization services
- Supported deployment workflows and version control processes to reduce operational errors during system updates and production environment changes

SKILLS

Operating Systems: Windows, Linux
Scripting & Automation: Python, JavaScript
Networking & Identity: REST APIs, OAuth, authentication flows, access control concepts
Systems & Platforms: Docker, Node.js, Express, Django
Databases: MongoDB, MySQL, Oracle
Tooling: Git, GitHub, VS Code, Jupyter

EDUCATION

Southern Alberta Institute of Technology   **Expected Dec. 2025**
Diploma of Software Development - GPA: 3.70   Calgary, AB

Extracurricular Activities: SAIT Programming Club | UofC Competitive Coding Club | UofC Chess Club