

Julian Davies

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Github: <https://github.com/juliandavies-cs> Project: <https://resume-bot-td8i.onrender.com/>

Work Experience

- **Software Developer** *Opentext* 2025 – Present
 - Backend development including using LangChain and LangGraph.
 - Integrated vector databases to store and retrieve embeddings for responses and semantic search.
 - Leverage LangGraph to orchestrate multi-agent and multi-tool flows for the highest accuracy.
 - Optimized prompt engineering to enhance LLM response quality.
 - Maintain a microservices structure.
 - Adhere to CI/CD pipeline and linting requirements.
- **Software Developer** *Opentext* 2023 – 2025
 - Backend development including integrating a SQL database with existing and new APIs.
 - Work with OAuth2 authentication flows for cloud and on-prem customers.
 - Lead development of token lifecycle using Redis.
 - Maintain a microservices structure.
 - Adhere to CI/CD pipeline and linting requirements.
 - Work with HTML, CSS, and Javascript to create a user-friendly experience.
 - Use EJS templating for server-side HTML generation.
- **Associate Quality Assurance Developer** *Opentext* 2022 – 2023
 - Assisted in software development to aid the implementation of new features.
 - Managed and tested within different environments including development, pre-production, and multi-international production.
 - Contributed and designed functionality of automated tests using Selenium.
 - Designed and ran regression tests to meet hard deadlines.
 - Worked within a QA Team to collectively assess bugs and their impact on customers.
 - Wrote Python scripts to tackle inconsistent bugs to define reproducibility and level of importance.
 - Worked with developers on feature implementations to identify edge-cases and overall customer experience.
 - Implemented accessibility features to the product (JAWS).
- **Internship** *Opentext* Summer 2021
 - Managed and tested the product within different environments including development, pre-production, and multi-international production.
 - Ran regression test-suite to meet the deadline of production deployments.
 - Relayed bugs to the developer team to portray importance, customer impact, and other key aspects.

- **Internship** **Opentext** *Summer 2017- 2020*
 - Wrote Javascript based code for quality assurance of a web-based file collection and display system.
 - Implemented efficient and visually appealing features to the product that was seen by customers.
 - Collaborated with a team of individuals to create an effective and cohesive plan to reach a common goal.
 - Reviewed work of myself and peers to improve and optimize bug fixes and feature implementations.

- **Internship** **Opentext** *Summer 2016*
 - Focused on writing test cases for a web-based file storage system using Selenium IDE.
 - Worked in a primarily solo environment and provided efficient work ahead of deadlines.

Education

Carleton University	Bachelor of Computer Science
Appleby College	Highschool Diploma

Technical Skills

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- Proficient:
 - Languages: Python, Javascript, Java, HTML/CSS
 - Tools: Git, JIRA, JUnit, Selenium, Postman API, Redis
 - Familiar:
 - Languages: C++, SmallTalk, DrJava
 - Tools: Perforce, Selenium IDE, Springboot, Node.js, EJS

Volunteer Experience

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- **Oakwood Breakfast Program** *September 2014 - May 2015*
 - Prepared and served breakfast for an elementary school
 - **First Mentors** *September 2013 - May 2014*
 - Planned and participated in activities for children that are a part of Big Brother Big Sister that are awaiting for their match
 - **Camp Justice** *July 2013 - August 2013*
 - Played games and taught children within lower privileged areas
 - **Service Project in Tanzania** *March 2013*
 - Helped a local school by building the foundation of a new classroom as well as attended classes with the children
 - **Service Project in Costa Rica** *March 2011*
 - Helped a local community by building a well, greenhouse, and a gate to keep out wild animals