

Shivam Manchanda

(437) 265-2786 | smancha8@my.centennialcollege.ca | LinkedIn | Toronto, ON

SOFTWARE ENGINEER

Full Stack Developer | QA - Automation | Problem Solver

- **2 years of experience** as a Software Engineer with a proven track record in complex software development.
- Student of Software Engineering Technology; Holds a Bachelor of Technology - Computer Science degree.
- **Proficient in Front-end, Back-end, and Testing frameworks**, backed by a comprehensive understanding of the **SDLC** and **Agile/Scrum** methodologies gained through professional exposure and practical projects.
- A collaborative **team player** with keen attention to detail, quick learning abilities and strong analytical skills.
- Proficient in **English, Punjabi, and Hindi**, facilitating effective client interactions and transparent, clear, and collaborative communication with colleagues.

SKILLS

- **Programming & Query Languages:** C, C++, C#, Python3, HTML 5, CSS 3, JavaScript, SQL
- **Frameworks & Libraries:** .NET, React, Redux, Tailwind CSS, Node.js, RESTful APIs, Express.js, Selenium
- **Database:** MySQL, MongoDB, Postgres, Firebase
- **Operating Systems:** Windows, Linux, FreeBSD, MacOS
- **Testing Frameworks:** PyTest, JUnit
- **Technical Skills:** Data Structures & Algorithms, JSON, XML, Object Oriented Programming, Multithreaded Programming, Computer Networks, CI/CD, AWS, Azure
- **Tools:** Jira, Git and GitHub, MS Office 365, Docker, Jenkins, Postman, Visual Studio Code, Jupyter Notebooks
- **Others:** Problem Solving, Troubleshooting, Multitasking, Adaptability, Critical Thinking, Continuous Learner.

RELATED WORK EXPERIENCE

- | | | |
|---|------------------------|------------------------|
| Associate Software Engineer | Zscaler, Mohali, India | Aug. 2021 - March 2023 |
| <ul style="list-style-type: none">• Built an installation framework, capable of installing builds in parallel on 100+ servers with a build size of more than 4GB. Reduced the build installation time by 3.5 hrs; Received Award of Excellence for the project.• Reduced the execution time by 35% of regression and sanity tests by enhancing parallel execution on multiple testbeds; Developed a microservice architecture for the scripts to run in a separate environment.• Contributed to Automated Cloud Configuration WebApp, minimizing manual interventions in configuration of nodes with different roles. <p>Tech Stack: HTML, CSS, JavaScript, PHP, Linux concepts, Python automation scripting and bash/shell scripting</p> <ul style="list-style-type: none">• Responsible for running automated sanity/regression runs, covering more than 23000 test cases and maintaining test environment for these runs. | | |
| Software Engineer Intern | Zscaler, Mohali, India | Jan. 2021 - Aug. 2021 |
| <ul style="list-style-type: none">• Implemented Automation Gap Analysis Quarterly and weekly report generator using REST API, TCP/IP Fundamentals, and Python Scripting .• Contributed to Automated Testbed Health Notifier with Python SSH Module, automated email-notifications, a front-end dashboard using vanilla JavaScript with logging to capture health & disk space data every 5 mins. | | |

EDUCATION

- | | |
|---|--------------------------|
| Software Engineering Technology (Co-op) Advanced Diploma | May 2023 - Present |
| Centennial College, Toronto, ON | GPA: 4.33/4.5 (A) |
| <i>Courses:</i> Web App Development, C# (.NET framework), Testing & Quality Assurance, Mobile Application Development | |
| Bachelor of Technology - Computer Science | Graduated Aug 2021 |
| DAV Institute of Engineering & Technology, Jalandhar, India | |

PROFESSIONAL AND ACADEMIC PROJECTS

- Sanity Testing Bot** - Automated Test-Run Handler
- Developed a web-based tool that helps in scheduling a test run and executing it, and handling the post run operations including report generation, cleaning testbeds, and verifying the test runs from Script Authors.
- Tech Stack:** HTML, CSS, JavaScript, Python3, Paramiko, REST API, Web Hooks

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Netflix GPT

- Developed and launched a cutting-edge movie-watching platform, inspired by Netflix, enriched with personalized movie recommendation functionality powered by OpenAI's GPT API.
 - Successfully integrated the OpenAI GPT API to provide users with intelligent movie recommendations based on their preferences and viewing history.
 - Ensured a seamless and responsive user experience, optimizing the platform for various devices/screen sizes
- Tech Stack:** HTML, TailwindCSS, JavaScript, React, Firebase, React-Hooks, RestAPI.

ACHIEVEMENTS AND CERTIFICATIONS

- **Award of Excellence** for research and implementation, resulting in reduced script execution time at **Zscaler**
- Certified in [Python](#) and [Problem Solving](#), maintaining a [6-star](#) coding profile on **HackerRank**
- **3rd** Position in **National level Hackathon - HACK PCBT** consisting of 200+ participants
- **Participated** in **Bell Geek fest Hackathon** and worked on chrome extension to analyze phishing emails.
- In top **6%** percent competitive coders in round 1 of Hackwithinfy conducted by Infosys
- Mentored more than **70** students as a member of the programming group in university.