

# PRANJAL CHAUHAN

☎ 437-599-7411 ✉ chapranj@sheridancollege.ca  [LinkedIn](#)  [Github](#)  [Portfolio](#)

## Summary

---

- **Versatile Programmer:** Strong foundation in multiple programming languages and practical experience with frameworks like MERN Stack, Java Spring Boot, and React Native for building dynamic web and mobile applications.
- **Cloud Computing Expertise:** Proficient in leveraging AWS Console to create scalable cloud solutions, with a solid understanding of both Linux and Windows operating systems.
- **Networking and Automation:** Hands-on experience in managing network environments and developing automation scripts, with a keen interest in cybersecurity and system optimization.
- **Full-Stack Development:** Skilled in designing and implementing robust full-stack solutions, combining technical knowledge with a focus on performance and user experience.

## Education

---

### Sheridan College

Jan. 2023 – Dec. 2025

Software Development and Network Engineering (CGPA: 3.83)

Brampton, Ontario

### Relevant Coursework

---

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

## Experience

---

### Evertz Microsystems

September 2024 – December 2024

Software QA Engineer

Burlington, Ontario

- Developed automation testing scripts using Jest for a broadcasting device to streamline video stream configurations, with a focus on multicast workflows.
- Automated API workflows to improve testing efficiency and reduce manual effort using JavaScript (Node.js) and Python.
- Simulated real-world scenarios by setting up and testing diverse environments, ensuring product performance and reliability.
- Performed API testing using Postman to validate endpoints and ensure API reliability.
- Worked with transmission protocols like UDP, SRT, and RIST, gaining hands-on experience in maintaining high-quality streaming standards.

### Evertz Microsystems

January 2024 – April 2024

Product Verification Specialist

Burlington, Ontario

- Created a help webpage to make it easier for users to access documentation and troubleshooting guides.
- Used Linux CLI for tasks like imaging servers, installing software, and troubleshooting network and system issues.
- Wrote Python scripts to manage and update system configurations using PySNMP.
- Worked with SDI-IP video routers and networked systems, gaining hands-on experience with routing and device connectivity.
- Tested and verified hardware and software systems, focusing on improving reliability and identifying potential issues.

## Projects

---

### TicketEase | MongoDB, Express.js, React.js, Node.js

March 2024

- Developed a ticketing system application using the MERN stack (MongoDB, Express.js, React.js, Node.js) for managing tickets efficiently.
- Implemented JWT authentication to secure user login and signup processes.
- Enabled users to create and manage tickets, upload images, and participate in discussions to resolve issues.
- Designed the application to function similarly to JIRA, providing a collaborative platform for problem-solving.

### Thread Talk | Java, Spring Boot, React.js

December 2023

- Developed an internal discussion forum, Thread-Talk, to enhance communication and collaboration among employees within a company.
- Built the front end using React.js and the back end using Spring Boot for seamless integration and functionality.
- Enabled employees to create accounts, post content, and participate in discussions across various threads.
- Implemented content management features, allowing managers to delete posts or entire threads for moderation.
- Ensured robust security through Spring Security, protecting user data and application integrity.

## Technical Skills

---

**Programming Languages:** Java, Kotlin, Python, JavaScript, PHP, Typescript, C, C++, C#  
**Frameworks:** Spring Boot, Node.js, React, React Native, Angular, Next.js, Bootstrap, Tailwind, .NET  
**Database Management:** MySQL, PostgreSQL, MongoDB  
**Networking/Network Security:** Wireshark, Snort  
**Virtualization:** VMware, Hyper-V  
**Cloud Computing:** AWS (EC2, S3, RDS) and working familiarity of Azure  
**Operating Systems:** Windows and Linux  
**Version Control:** Git, BitBucket  
**Testing & QA:** JUnit, Jest  
**Containerization:** Working familiarity of Docker and Kubernetes  
**Project Management:** JIRA

## Leadership / Extracurricular

---

### Freshmen Coders Club

**Fall 2023 – Present**

*Vice President*

*Sheridan College*

- Assist new coders and individuals who are new to programming by showcasing the exciting possibilities of coding.
- Organize workshops and events to engage members and help them build practical coding skills.
- Collaborate with other club leaders to plan activities that encourage community building and support members' growth in programming.