

PRANJAL CHAUHAN

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PROFESSIONAL SUMMARY

- Solid foundation in different programming languages along with experience using various frameworks.
- Hands-on experience with the AWS Console for cloud computing solutions and a solid grasp of Linux & Windows operations.
- Have experience working with network environments and automation scripting, as well as making full stack web applications.

WORK EXPERIENCE

Product Verification Specialist | Evertz Microsystems

(Jan 2024 – April 2024)

- 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.

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(Sept 2024 – Dec 2024)

- Developed automation scripts 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.

TECHNICAL SKILLS

- **Programming Languages:** Fluent in Java, Python, JavaScript, PHP, Typescript, C, C++, C#.
- **Frameworks:** Spring Boot, Node.js, React.js, Angular, Next.js, Bootstrap, Tailwind, .NET.
- **Database Management:** MySQL, PostgreSQL, MongoDB.
- **Networking:** Strong understanding of network configurations, packet analysis, and intrusion detection with tools like Wireshark and Snort.
- **Cloud Computing:** Experience with AWS (EC2, S3, RDS); skilled in deploying applications in cloud environments and using virtualization tools like Docker.
- **Data Management:** Proficient in handling large-scale data, productionizing data pipelines, and implementing modern data architectures.
- **Operating Systems:** Windows and Linux.
- **Version Control:** Git, BitBucket.
- **Testing & QA:** Proficient in JUnit for web applications and experienced in frontend automation and validation testing.

PROJECTS

TicketEase:

- Ticketing system application made using MERN (MongoDB, Express.js, React.js, Node.js).
- Uses JWT Authentication for users who Login and Signup.
- People can add/create tickets and upload images and discuss the solutions for each ticket just the way they do in JIRA.

Thread-Talk:

- This project aims to create an internal discussion forum tailored for companies to facilitate communication among employees.
- Technologies used are React.js and Spring Boot for the front-end and the back end respectively.
- Employees with an account can create and post content in various threads. Content Management: Managers have the privilege and access to delete posts and entire threads for moderation purposes. Security is implemented using Spring Security.

EDUCATION

Computer Systems Technology: Software Development and
Network Engineering (Advanced Diploma)
Sheridan College | Brampton, ON

Jan 2023 - Current
(Cumulative GPA - 3.83)