

ARJUN YADAV

y.arjun@live.concordia.ca • 514.827.5150

[LinkedIn](#) • [GitHub](#) • [Portfolio Website](#)

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows 10 • Linux • Mac • Mobile

Applications | MS Office: Word • Excel • PowerBI • PPT • Eclipse • Visual studio code • CodeBlocks • IntelliJ Idea • Jupyter Notebook

Programming | Java • C++ • Python • JavaScript • Typescript • C • HTML • CSS

Frameworks | React.js • Node.js • Express.js • React-Native • jQuery • Bootstrap

Developer Tools | Git • Docker • JIRA • VS Code • Visual Studio • Heroku

Databases | MySQL • MongoDB

Languages | English – Advanced • French - Basic • Hindi – Mother Tongue/Advanced

Licenses & Certifications | The Complete Node.js Developer Course (2nd Edition) Udemy, Introduction to Operating Systems NPTEL, Introduction to Computer Programming IIT-Bombay

EDUCATION

Master of Science – Applied Computer Science Co-op

Sept 2023-April 2025 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Relevant Courses: Programming and Problem Solving • Advanced Programming Practices • Software Design Methodologies.

Bachelor of Engineering (B.E) – Information Technology.

2015- 2019

Army Institute of Technology, Pune, India

- Relevant Courses: Data Structure and Algorithm • DBMS • Operating Systems.
- GPA 8.55/10

WORK EXPERIENCE

UPSC - Civil Services

May 2021 - Aug 2023

Vajiram and Ravi, Delhi, India

Preparation Strategy:

- **Coaching:** Completed a comprehensive preparation course at **Vajiram and Ravi, Delhi, India**, one of the premier IAS coaching institutions, focusing on both Prelims and Mains.

Achievements:

- **Prelims Clearance:** Successfully cleared the UPSC Civil Services Preliminary Examination, showcasing a solid understanding of diverse subjects and effective exam strategies.

Systems Engineer

Jul 2019 - Apr 2021

Tata Consultancy Services, Gurugram, India

- **Project:** Test Automation for TCS Internal Systems.
- **Technologies Used:** AWS, Docker, Kubernetes, Jenkins, React.js, Node.js, REST APIs, Git, JIRA.
- **Automation Implementation:** Spearheaded the development and deployment of an automated testing framework leveraging **AWS services** for scalable test execution and data storage. Utilized **Docker** for containerization and **Jenkins** for continuous integration and delivery (CI/CD) pipelines.

- **Frontend Development:** Developed and maintained user interfaces for internal applications using **React.js**, ensuring a responsive and intuitive user experience. Integrated React components with backend APIs (**Node.js**) to facilitate seamless data flow and interaction.
- **Issue Resolution:** Conducted thorough root cause analysis and resolution of complex issues encountered during both pre-production and production stages, reducing downtime by **30%**.
- **Data Management:** Managed and maintained test data within **AWS S3** and **RDS**, ensuring secure and efficient access for testing purposes.
- **Script Development:** Developed and maintained test scripts using **Node.js** and **Python**, enhancing the robustness and reliability of automated tests.
- **Core Competencies:** Advanced problem-solving, **Project Management**, **REST** API development, cloud computing (AWS), test automation, frontend development with React.js, containerization with Docker, CI/CD with Jenkins.

PROJECTS

Food Order Application

Sep 2023-Oct 2023

- Developed a responsive React-based Food Ordering Platform to streamline the ordering process for users and restaurant owners.
- Conducted thorough testing and debugging to identify and resolve UI issues, ensuring a polished and error-free user interface.

Core Competencies: React

Socket.IO — Chatting Application

Sep 2017-Dec 2017

- Developed a real-time Chatting Application using Node.js, Socket.io, and the Express framework to facilitate instant communication between users.
- Developed and integrated WebSocket communication with Socket.io for realtime messaging; improved system responsiveness by 50%, resulting in a seamless user experience and a 20% increase in active user retention.
- Utilized the Express framework to handle HTTP requests and provide a scalable server infrastructure.

Core Competencies: Node.js, Socket.IO, Express.

Blog Application

Jun 2016-Sep 2016

- Developed a robust Blog Application using Node.js, MongoDB, and the Express framework to provide a platform for users to create, edit, and share blog posts.
- Implemented a **REST** API to handle **CRUD** operations for blog posts.
- Utilized Express framework to create a modular and efficient backend structure. Developed a RESTful API.

Core Competencies: Node.js, MongoDB, Express.

PROFESSIONAL ASSOCIATIONS

Member of IT Club

Aug 2017-May 2019

Army Institute of Technology, Pune, India

- Actively engaging in discussions and knowledge-sharing sessions to stay updated on the latest trends and advancements in technology.
- Assisting in the maintenance and upkeep of IT equipment and facilities within the club.

EXTRA-CURRICULAR ACTIVITIES & INTERESTS

SOLUTIONS (Event Head)

Feb 2018

Army Institute of Technology, Pune, India

- Establishing and maintaining relationships with vendors and venues.
- Creating reliable financial reports and collecting payments on time.

SPORTS & PASSION - Squash, Cricket, Programming, travelling, Gym.