

RITU ARORA

FULL STACK DEVELOPER | DEVOPS ENGINEER | CLOUD & AUTOMATION ENTHUSIAST

Montréal | arora0824@gmail.com

linkedin.com/in/ritu-arora-dr | github.com/RituArora-DevOps | [Web Portfolio](#)

Full stack developer and DevOps engineer skilled in building scalable web applications and cloud-native systems. Proficient in Python, Java, CI/CD, Docker, Kubernetes, and cloud platforms like AWS. Focused on delivering robust, production-ready solutions with clean architecture, automation, and continuous improvement.

TECHNICAL SKILLS

LANGUAGES: Java, C#, Python, Shell scripting, XML

BACKEND: Spring Boot, NodeJS, Express.js, PHP, Next.js (API routes), ASP.NET

FRONTEND: React, HTML5, CSS3, , Bootstrap, Tailwind CSS, JavaScript, PHP, Next.js, JavaFX (JavaFXML)

DATABASES: MySQL, Microsoft SQL Server, PostgreSQL, MongoDB (NoSQL), JPA, Entity Framework

DEVSECOPS TOOLS: Docker, Kubernetes, Helm, Jenkins, Ansible, Terraform, OWASP, SonarQube, Trivy, Prometheus, Grafana, ArgoCD, GitHub Actions (GitOps)

HOSTING / DEPLOYMENT: AWS and Azure Cloud Services, XAMPP, Vercel, Render, cPanel, InfinityFree

CLOUD: AWS (EC2, S3, RDS, IAM, AWS CodeBuild, AWS CodePipeline, EKS, ELB, Route 53), Azure Cloud Services (Virtual machines, SQL Database, Blob Storage), GCP (Basic)

IDEs: PyCharm, VSCode, Visual Studio 2022, IntelliJ IDEA

OTHER TOOLS: Postman, JUnit, Javadoc, Git, Linux, JIRA, Agile, Scrum, Trello (Kanban)

PROJECTS

Online Store System

[GitHub](#) | [Presentation](#)

JavaFX shopping app with Spring Boot REST API, product browsing, cart, orders, reviews, and payments. *Designed using SOLID principles and design patterns like Singleton, Strategy, and Factory for modularity and maintainability.* **Tech Stack:** JavaFX, Spring Boot, Spring Security (Future Enhancement), REST APIs, PostgreSQL/MySQL, JPA, Maven, Docker

Car Rental Management System

[GitHub](#) | [Demo](#) | [Live Site](#) | [Presentation](#)

A full-featured web app for booking and managing car rentals with user authentication, vehicle listings, and admin controls. **Tech Stack:** Node.js, Express.js, MySQL, Bootstrap, Render

Day Care Management System

[GitHub](#) | [Live Site](#) | [Presentation](#)

Secure multi-user platform to manage children's profiles, educator dashboards, and class assignments. **Tech Stack:** Slim 4, MeekroDB, Twig, Bootstrap, MySQL, Monolog, Deployed to AWS EC2 upon demand

Movie Explorer Web App

[GitHub](#) | [Live Site](#) | [Presentation](#)

Server-side rendered movie app with search, filters, favorites, Google OAuth, and TMDB API integration. **Tech Stack:** Next.js, React, NextAuth.js, MongoDB, Tailwind CSS, TMDB API, Vercel

PROFESSIONAL EXPERIENCE

Postdoctoral Researcher, Concordia University, QC
Assistant Professor, University of Delhi, India

Mar 2019 - Feb 2021
Jan 2016 - Dec 2018

EDUCATION

AEC Full Stack Developer | John Abbott College, Montréal, QC
PhD in Computational Science | University of Delhi, India
Master of Science | University of Delhi, India

ADDITIONAL INFORMATION

Languages: English, French, Hindi, Punjabi.
Work Eligibility: Permanent Resident of Canada - legally authorized to work in Canada.
Open to relocate anywhere in Canada.