

ASHBIR SINGH DHIMAN

ashbir.dhimanwork@gmail.com | 742-588-5678 | Scarborough, Ontario

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

TECHNICAL SKILLS

Languages: Backend: Java, JavaScript (Node.js), TypeScript | Frontend: Angular
Database: Oracle, MySQL, MySQL Server
Framework: Spring, Spring Boot (Spring MVC, Spring Data JPA, Spring Security), Hibernate, Maven
DevOps: Docker, Jenkins, SonarQube, CI/CD
Version Control: GitHub, Code Review
Tools: Postman, Jira, Confluence, Agile Methodology

PROFESSIONAL EXPERIENCE

Computer Application Programmer

APR 2024 - JULY 2024

Rakhra Global Private I.T.I, India

- Software Development: Built and maintained academic/administrative software in HTML/CSS, ensuring compliance with standards, and integrated new systems to enhance performance.
- Data Optimization: Managed secure databases and testing processes, achieving 35% improvement in data accuracy.
- Documentation & Usability: Authored user guides and maintained documentation to streamline system maintenance and user adoption and reducing processing errors by 12%

Software Developer (Promoted from Associate Software Engineer)

AUG 2020 - JUNE 2023

Amdocs (Brite-bill), India

- Performance & Modernization: Upgraded workflows using Java/Spring, ensuring data quality by implementing validation strategies and boosting efficiency by 30%; revamped legacy code to cut costs by 12% for 10M+ users.
- Security & Scalability: Secured apps via Spring Security and streamlined data processing with Oracle DB integration. Using Junit for automated tests and end-to-end tests.
- Cross-Functional Delivery: Developed a real-time bill-sharing module using Angular, REST APIs, and third-party API gateways, reducing troubleshooting time by 15%
- Client Impact: Diagnosed and resolved billing system issues for global clients using Agile methodologies and root-cause analysis

PROJECTS

ATS Scan and Recommendation Tool

JAN 2025 - APR 2025

- Continuous Integration & Deployment: Implemented Jenkins Webhooks for automated builds, optimizing CI/CD pipelines by 40% using SonarQube for code quality analysis and automated testing
- API Management: Implemented API versioning to ensure backward compatibility using NGINX during feature updates, maintaining seamless user experience.
- Containerized Deployment: Deployed on Ubuntu using containerized applications using Docker and Bash scripting, optimizing Linux server deployments.
- Database Integration: Installed and configured MongoDB on Loyalist College servers, integrating it with backend systems to enhance data processing and storage capabilities

ApPOINT Well Using MVC Architecture

OCT 2024 - NOV 2024

- Architectural Design: Designed and developed the application using object-oriented principles and MVC architecture with Java, Spring Boot, and Angular, ensuring seamless data flow and effective integration
- REST API Development: Designed APIs to manage orders, menus, and inventory efficiently, ensuring smooth HTTP request handling.
- Database Management: Leveraged JPA for seamless database operations and integrated MySQL for reliable data storage and retrieval.

Smart Waste Segregation Dustbin System using ML and AWS

JAN 2019 - DEC 2019

- Smart Waste Management: Deployed ultrasonic sensors to monitor bin waste levels and used AWS cloud services to upload waste images for analysis, automating status updates to authorities.
- Waste Classification: Leveraged Convolutional Neural Networks to segregate waste into biodegradable and non-biodegradable categories, enhancing efficiency and sustainability.
- Cross-Technology Adaptability: Worked with AWS, MySQL, and REST APIs to manage and process large datasets, showcasing skills that can be transferred to Spark or Scala environments.

EDUCATION

Ontario College Post-Graduate Certificate in Computer Software and Database Development

SEPT 2023 - APR 2025

Loyalist College, Toronto, ON

Bachelor of Engineering in Computer Engineering

JULY 2017 - JUNE 2020

Thapar Institute of Engineering and Technology, India

Diploma in Computer Science and Engineering

JULY 2014 - MAY 2017

Thapar Polytechnic College, India

CERTIFICATION & PUBLICATION

- AWS Certified Cloud Practitioner
- Elsevier Journal Publication: 'Comparison of AODV and DSR in MANETs', January 2020, co-authored with AK Verma, Arshdeep