# Joel Jackson John

Portfolio:  Joel Jackson Portfolio
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Location: Kayamkulam, Kerala

## Summary

Detail-oriented Java Developer with hands-on experience in designing, developing, and deploying scalable web applications. Skilled in Java, Spring Boot, Hibernate, and RESTful APIs on the backend, with basic knowledge in frontend technologies including HTML. Good knowledge of database (MySQL), version control using Git/GitHub and Docker, Kubernetes. Experienced in the full software development lifecycle, problem-solving, and delivering efficient, user-friendly solutions. Adept at collaborating in agile teams and continuously learning emerging technologies.

## Technical Skills

- **Programming Languages**: HTML, Java, SQL

- **Databases**: MySQL

- **Version Control**: Git, GitHub

- **Deployment Tools & DevOps**: Docker, Kubernetes, CI/CD (GitHub Actions)

- **Business Intelligence**: Microsoft Excel, Microsoft Power Point, Microsoft word

- **Soft Skills**: Leadership, Public Speaking, Time Management, Problem-Solving, Critical Thinking, Adaptability

## Experience

**Luminar Technolab**                                                                                        Kochi, Kerala
*Java Full Stack Developer Intern*                                                         *May-September (2025)*
- Frontend Development – HTML
- Backend Development – Core Java & OOPS.  Java EE / Spring Framework (Spring Core, Spring Boot, Spring MVC, Servlet). RESTful API development and integration
- Database Management – SQL fundamentals and queries. MySQL for data storage and retrieval. JDBC & Hibernate ORM for database interaction.
- Tools and Practices – Maven for project management. Postman for API testing. Containerization and Orchestration using Docker Desktop, Eclipse, IntelliJ IDEA, Notepad ++, Command Prompt as IDEs.

## Projects

- MediFlow: Developed a microservices-based hospital management system using Spring Boot enabling efficient management of patients, appointments, and prescriptions. Implemented Eureka Service Discovery for scalability.

- Density Based Traffic System: Developed an intelligent traffic control system that uses real-time vehicle density to optimize signal timing, reduce congestion, and improve traffic efficiency. Implemented automation and smart sensing to enhance urban traffic management.

- Spice-Net:  Developed a dynamic web application for buying and selling cardamom using Java Servlets. The project features user authentication, product management, and transaction handling. MySQL was used as Database.

## Education

- Amal Jyothi College of Engineering, Kottayam, India                            *August 2021 – April 2025*
  B-Tech – Electronics and Communication Engineering                                                  *CGPA:7.20*
- Good Shepherd Public School, Kottayam, India                                       *April 2020 – May 2021*
  12th from Central Board of Secondary Education                                              *Percentage:86*

- Holy Mary Central School, Alappuzha, India                                          *June2018 – June 2019*
  10th from Central Board of Secondary Education                                              *Percentage:84*

## Achievements

- AICTE Certificate of Internship

- Qualcomm Wireless Academy course certificate

- Artificial Intelligence – National level workshop of IEEE

- Java Basics

- Generative AI