# MANOJ K T

✆ +353 894688006 | manojktireland@gmail.com | [LinkedIn](#) | [Personal Portfolio](#) , D15EYP4

## PROFILE SUMMARY

Results-driven Java Backend Developer with 2 years of hands-on experience in designing, building, and deploying scalable backend systems. Proficient in Spring Boot, Spring MVC, Microservices Architecture, and RESTful API Development. Adept at working with SQL/NoSQL databases, system optimization, and cloud-native deployments using Docker and Kubernetes. Skilled in CI/CD pipelines, Agile methodologies, API security (JWT, OAuth2), and performance tuning. Proven ability to collaborate in cross-functional teams to deliver high-quality software products on time.

## CORE COMPETENCIES

- Java 8+ , Python
- SQL, MySQL server
- Postman, Swagger UI
- Rest API, Microservices
- IntelliJ IDEA, VS code, Linux CLI
- OOP, Agile (Scrum), TDD, CI/CD
- Spring Boot, MVC, JPA
- Git, Docker, Kubernetes, Jenkins (basics)

## WORK EXPERIENCE

### Software Engineer | OSS Technologies Pvt Ltd, Bengaluru, India | *May 2021– Aug 2023*

- Led backend module development for enterprise-level systems using Java, Spring Boot, and Microservices architecture, resulting in a 40% reduction in system latency and improved scalability.
- Built secure RESTful APIs for payment gateways, authentication (JWT, OAuth2), and customer management, with AES encryption for sensitive data. Enabled seamless third-party integration.
- Collaborated with front-end and DevOps teams to create containerized solutions using Docker, deployed on Kubernetes clusters for scalable and fault-tolerant services.
- Enhanced database performance with Hibernate ORM and custom JPA queries, achieving 30% faster data access through query optimization and indexing.
- Led the development of an internal inventory management tool using Spring Data JPA with pagination and filtering, improving operational efficiency by 25%.
- Implemented centralized logging and exception handling to improve debuggability and maintain system stability in production.
- Practiced Agile/Scrum methodology, actively participated in sprint planning, daily standups and code reviews.

## PROJECTS

### E-Commerce Backend Development | **GitHub Link**

- Architected a fully functional backend using Java + Spring Boot + SQL Server, supporting product catalogs, cart, order flow, and JWT-based user authentication.
- Integrated Swagger UI for API documentation, performed load testing using Postman (1000+ concurrent users).
- Applied SOLID principles, modular design, and Git for version control in a team-based setup.
- Followed best practices in modular development, version control using Git, and unit and integration testing using JUnit and Mockito to maintain a clean codebase.

### Main Project (Master's): Enegry Usage Dashboard for Smart Homes | **GitHub Link**

- Designed a Flask-based dashboard to visualize real-time energy consumption with APIs collecting sensor data.
- Built alerts and trends for consumption using Python, Chart.js, and responsive UI for desktop and mobile.
- Integrated database logging, API endpoints, and auth systems for user-level access control.

## COURSE AND CERTIFICATIONS

- Aplication Development using Microservices and Serverless from IBM.
- Core JAVA and Advance JAVA certification from TELUSKO.

## EDUCATION

- **MSc - Electronic & Computer Technology (Internet of Things)** | Dublin City University, Glasnevin, Dublin, Ireland
- **B.E - Electronics and Communication Engineering** | ATME college of Engineering, Mysuru , India

## INTERESTS

- **Professional Video Creator :** Experienced in editing high quality videos and also making creative content for social media handel such as Instagram and YouTube.