

# VINOD NILOSHANA

## Full-Stack Developer

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### ONLINE PROFILES

[linkedin.com/in/vinod-niloshana](#) | [github.com/Vinod663](#) | [vinodniloshana.me](#)

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### PROFILE SUMMARY

Full-Stack Developer specializing in Java and the MERN stack with hands-on experience building scalable applications using Spring Boot, Node.js, React, and TypeScript. Strong foundation in Object-Oriented Programming (OOP) and backend architecture, including RESTful API development, JWT-based authentication, and database management using MySQL and MongoDB. Experienced in API testing with Postman, version control with Git, and containerized deployments using Docker. Currently completing a Graduate Diploma in Software Engineering and seeking a backend or full-stack internship to contribute to production-level systems.

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### EDUCATION

#### Graduate Diploma in Software Engineering

Institute of Software Engineering (IJSE) | Feb 2024 – Present

#### Diploma in English Language and Literature

Aquinas College of Higher Studies | Jan 2020 – Oct 2023

#### Certified English and Information Technology Program

Advanced Technologies and Research Institute (ATARI) | Jan 2020 – Sep 2020

Achieved High Distinction Pass (A)

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### TECHNICAL SKILLS

- Languages:** Java, TypeScript, JavaScript, Python
  - Frameworks & Libraries:** Spring Boot, Hibernate, Node.js, React, Express.js, Java EE, Tailwind CSS, Pandas, NumPy
  - Databases:** MySQL, MongoDB, Firebase
  - Tools & DevOps:** Docker, Git, GitHub, Postman
  - Core Concepts:** Object-Oriented Programming (OOP), RESTful APIs, JWT Authentication
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### PROJECT EXPERIENCE

#### StackSift | MongoDB, Express.js, React, Node.js, TypeScript, Gemini AI | Nov 2025 – Present

- Architected a full-stack, AI-powered developer tool directory leveraging Node.js and Google Gemini 2.5 Flash to power a custom hybrid search engine and automate data categorization.
- Built a responsive React frontend and integrated secure JWT-based authentication with "sudo mode" protections, managing data across a MongoDB database.
- Deployed client and server architectures utilizing Vercel and Render, optimizing application performance and ensuring reliable cross-origin resource sharing (CORS).

### **Recyclanka** | *Java, Spring Boot, MySQL, Spring Security, JWT* | *Sep 2025 - Oct 2025*

- Constructed an end-to-end waste management platform with Java and Spring Boot to streamline municipal collection and real-time complaint tracking.
- Implemented role-based access control (Admin vs. Citizen) from scratch using Spring Security and JWT, incorporating Spring Data JPA for efficient MySQL database management.
- Programmed responsive, user-centric administrative dashboards using HTML5, CSS3, and Bootstrap, seamlessly consuming backend APIs via AJAX and jQuery.

### **Pulscare** | *Flutter, Dart, Cross-Platform Development* | *Jun 2025 - Aug 2025*

- **Led Team Crusaders to secure 3rd Place at the Circle Edge 2025 competition**, reviewed by industry CEOs, by directing the engineering of a cross-platform smart health application.
- Designed specialized tracking modules in Flutter and Dart, including a women's wellness tracker, ensuring secure and intuitive state management.
- Collaborated within an Agile team environment to accelerate the software development lifecycle (SDLC), applying Git for version control and driving iterative feature deployment.

### **EcoSort** | *Java, JavaFX, MySQL, JDBC, MVC Architecture* | *Oct 2024 -Jan 2025*

- Engineered a robust JavaFX software solution that secured **1st Place in the Professional Software Project category**.
  - Structured the system around strict MVC principles and raw JDBC to handle complex queries, integrating JasperReports to automatically generate data-driven analytics.
  - Developed scalable business logic to manage real-time inventory tracking, workforce assignments, and fleet logistics, enhancing operational efficiency.
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## **PROFESSIONAL EXPERIENCE**

### **Demonstrator** | *Institute of Software Engineering (IISE)* | *Jul 2025 -Jan 2026*

- Mentored and guided a cohort of 100+ undergraduate students through complex software engineering concepts, actively assisting with debugging codebases and system architecture design.
  - Assessed 100+ technical project builds and facilitated 1-2 practical lab sessions per week, effectively communicating best practices in Java and Object-Oriented Programming concepts.
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## **AWARDS & CERTIFICATIONS**

### **Guinness World Records™ Title Participant** | *Microsoft AI Skills Fest* | *Apr 2025*

- Earned official certification for completing advanced AI training modules during a record-setting 24-hour global event.