

NANDHA KISHORE K B

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SUMMARY

Software developer specializing in building scalable, multi-threaded backend applications & REST APIs utilizing Core Java, Spring Boot, and PostgreSQL. Demonstrated expertise in DSA, object-oriented programming, and applying standard design patterns to architect robust, multi-tenant enterprise systems. Passionate about leveraging system design principles to translate complex logic into real-world productivity solutions.

SKILLS

- **Languages :** Java, C, Python, SQL
- **Tools & DevOps:** IntelliJ Idea, Git, GitHub, Docker, Flyway, Postman
- **Technologies:** Spring Boot, Spring Security, Spring Data JPA, Hibernate, RESTful APIs, JDBC, PostgreSQL, SQLite
- **Core CS :** Data Structures & Algorithms, OOPs, DBMS, Operating Systems, Computer Networks
- **Architecture & Patterns:** Multi-Tenant Architecture, Singleton, Factory, DAO, MVC
- **Coding Profiles:** LeetCode : [Nandha-Kishore-K-B](#) || HackerRank : [NandhakishoreKB](#)

PROJECTS

Mini SaaS Billing REST API | *Java, Spring Boot, Spring Security, PostgreSQL, Docker, Hibernate* **Mar 2026 - Jun 2026**

- Architected a secure, multi-tenant SaaS REST API utilizing Spring Security for Role-Based Access Control (RBAC) and Hibernate Session Filters to ensure strict data isolation across corporate clients.
- Optimized system performance and response times by engineering asynchronous background PDF generation (Spring @Async, Thymeleaf) and resolving JPA "N+1" query issues via JOIN FETCH eager loading.
- Streamlined deployment and database management by automating schema migrations with Flyway and containerizing the PostgreSQL environment using Docker.

WealthWise Behavioral Finance & Wealth Tracker | *Java, SQLite, JDBC, MVC* **Jan 2026 - Feb 2026**

- Developed a personal finance application to translate wealth-building principles into actionable metrics by tracking and categorizing income streams across functional quadrants.
- Engineered complex financial algorithms in Java, including a dynamic 'Fastlane Score' for financial independence, Future Value time-to-goal projections, and lifestyle inflation detection.
- Achieved strong user outcomes during beta testing (15 users), driving a 10x increase in savings rates for highly active users through algorithmic bucket recommendations.

Wisdom Journal & Habit Tracker | *Java, SQLite, JDBC, MVC, DAO, Singleton* **Dec 2025 - Jan 2026**

- Developed a productivity application utilizing the MVC architecture and DAO design pattern to track habits, calculate streaks, and maintain daily journals.
- Engineered custom streak-calculation algorithms that handle dynamic scheduling and a real-time 'Habit Score' algorithm utilizing weighted averages over 30-day historical data.
- Deployed to 20+ active users, achieving an 85% reported improvement in productivity and successfully tracking user habit streaks exceeding 100 consecutive days.

EDUCATION

KPR Institute of Engineering and Technology – Coimbatore, India **Sep 2023 - May 2027**

- B.E. in Computer Science and Engineering || CGPA: 9.19

Einsstein Matric Higher Secondary School - Namakkal, India **Jun 2021 - Apr 2023**

- Higher Secondary Education || Percentage: 98.5%

CERTIFICATION & INTERESTS

- **GitHub Foundations** - GitHub
- **Project Management** - LinkedIn Learning
- **Docker For Absolute Beginners** - KodeKloud
- **DSA Problem Solving:** Solved 300+ problems on LeetCode and HackerRank.
- **Content Creator:** Producing educational video analyses of self-improvement books.
- **Open Source:** Active GitHub contributor with multiple Java projects demonstrating clean code principles.