

KARTHIKEYAN KRISHNAN

Full Stack Java Developer | Application Testing & Quality Assurance

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PROFESSIONAL SUMMARY

Java Full Stack Developer (B.E. Computer Science & Engineering, 2025) with hands-on experience designing, developing, and implementing full stack applications using Java, Spring Boot, Hibernate, MySQL, and React.js. Skilled in determining application functions and objectives, writing code that aligns with project specifications, and identifying and resolving immediate and potential application issues through structured debugging and testing. Experienced in manual and API testing using JUnit and Selenium to validate application functionality, reliability, and quality prior to deployment. Comfortable working across the full SDLC in Agile/Scrum environments, participating in code reviews, and contributing to coding standards. Proficient with Git, Eclipse, IntelliJ IDEA, and database design (MySQL/SQL), with a strong foundation in OOP, MVC architecture, and REST API development. Seeking a Full Stack Java Engineer role within a fast-paced product and engineering team to build, test, troubleshoot, and ship reliable, scalable applications.

TECHNICAL SKILLS

Languages & Backend: Java, J2EE, Spring Boot, Spring MVC, Hibernate, JDBC, REST API, Microservices (Basics)

Database: MySQL, SQL, Database Design

Front-End: React.js, HTML5, CSS3, JavaScript, Bootstrap, JSON, Axios

Tools & IDEs: Git, GitHub, Eclipse, IntelliJ IDEA, Maven, Postman

Testing: JUnit, Selenium, Manual & API Testing, Debugging

Concepts & Methodologies: OOP, MVC Architecture, SDLC, Agile/Scrum, CRUD Operations, Data Structures & Algorithms

CERTIFICATIONS

- Java Full Stack Development (J2EE, Spring Boot) — Accord Info Matrix & Besant Technologies
- Web Design – React.js — Accord Info Matrix
- Software Testing — Accord Info Matrix

INTERNSHIP EXPERIENCE

Full Stack Developer Intern | Fantasy Solution

May 2024 – Jun 2024

- Designed, developed, and implemented full stack web application modules using Java for backend services and HTML, CSS, and JavaScript for the front end, in line with project specifications and objectives.
- Integrated REST APIs to connect front-end components with backend business logic, ensuring smooth and reliable data flow.
- Identified and resolved immediate and potential application issues through structured testing, debugging, and SDLC-based troubleshooting.
- Participated in code reviews and team discussions, applying coding standards and best practices to maintain code quality and meet project deadlines.

Full Stack Web Developer Intern | Vebbox Software Solutions

Sep 2023 – Nov 2023

- Built responsive front-end UI components, improving usability and consistency of application functions across devices and screen sizes.

- Collaborated with the development team through daily stand-ups and real-time sprint cycles, in line with Scrum methodology.
- Took part in code reviews to uphold coding standards and resolve potential issues before deployment.
- Gained hands-on experience meeting fast-paced deadlines on live Agile project deliverables.

PROJECTS

Employee Management System — Java, Spring Boot, MySQL, REST API, React.js, Hibernate

- Designed, developed, and implemented a full stack employee management application with complete CRUD functionality, determining application features and objectives independently.
- Built the database schema and integrated MySQL using Hibernate ORM for efficient, reliable data persistence.
- Developed a responsive React.js front end with form validation, identifying and resolving usability issues to improve data accuracy.

Fake Certificate Detection — Python, FastAPI, React.js, SQLite, OpenCV

- Designed and implemented a REST API-based certificate verification application to detect authentic versus tampered certificates, with an SQLite database for data persistence.
- Applied OpenCV image-processing logic to automate certificate authentication, debugging detection logic to improve accuracy.
- Built a React.js front end supporting end-to-end certificate validation workflows.

Book Management System — React.js, Axios, JSON Server

- Developed a responsive full stack book management application supporting complete CRUD operations for managing book records.
- Implemented form validation and resolved usability issues to ensure smooth, error-free, mobile-friendly user interaction.

Lost & Found Management System — Java, JDBC, MySQL

- Built a console-based Java application using JDBC and MySQL to manage lost and found records with full CRUD functionality.
- Implemented user authentication and session management, debugging and resolving data-handling issues for secure record handling.

EDUCATION

B.E. — Computer Science & Engineering

Mookambigai College of Engineering | 2021 – 2025 | 76%

Higher Secondary Certificate (HSC)

Parumala St. Gregorious Matric. Hr. Sec. School | 2020 – 2021 | 81%

Secondary School Leaving Certificate (SSLC)

Parumala St. Gregorious Matric. Hr. Sec. School | 2018 – 2019 | 77%

SOFT SKILLS

Problem Solving, Analytical Thinking, Team Collaboration, Communication, Adaptability, Time Management, Quick Learner