

Dawn V Shaji

Email: dawndvs97@gmail.com

Mobile: +91-952-6761-216

Github: github.com/dawnshaji

Linkedin: linkedin.com/in/dawnshaji/

LeetCode: Dawnshaji97

EDUCATION

- **Nehru Institute of Engineering and Technology** Coimbatore, India
Bachelor of Engineering - Mechatronics; GPA: 7.67 *July 2016 - June 2020*

SKILLS SUMMARY

- **Languages:** Java, Python, SQL, Basic Linux
- **Frameworks:** SpringBoot
- **Tools:** Git, Jenkins, PostgreSQL, MySQL, SonarQube, Maven, Jboss, Weblogic
- **Platforms:** Linux, Web, Windows
- **Soft Skills:** Leadership, Event Management, Deadline Management

EXPERIENCE

- **Tata Consultancy Services (TCS), India** On-Premise - Kochi
System Engineer (Full-time) *March 2021 - Present*
 - **Share Price MPM Calculation and Notification System:** Created MPM(Material Price Moment) calculations, leveraging real-time share price data and automated email notifications with proper UI and images using Informs API. Designed a responsive mail UI to streamline communication with the Company Secretary team and improved operational efficiency by 30%.
The system was deployed on a JBoss Server, ensuring robust performance and scalability.
 - **OTP Implementation:** Implemented multi-factor authentication (MFA) using one-time passwords (OTP), enhancing security and reducing unauthorized access incidents by 40%. Developed 3+ API endpoints for OTP issuance and validation, improving authentication speed by 30%.
The solution was deployed on WebLogic Server, handling 1000+ authentication requests daily while ensuring 99.9% uptime and secure authentication management.
 - **Automated Board Meeting Calendar Notifications:** Devised a Java-based solution integrated with Control-M to automate daily email notifications at 8 AM, providing meeting details for the upcoming 7 days .
 - **Automated User Account and Access Expiry Alerts:** Engineered an automation process to monitor user account and feature access expirations occurring within the next 15 days, An automated email notification will be sent to administrators via a Java-based solution integrated with Control-M, enabling timely action.
 - **SSL Secure Port Migration:** Led the migration of the application from non-secure port 389 to secure port 636, implementing SSL configuration changes in the code.
 - **Production Support for Incidents:** Delivered real-time debugging and issue resolution in production environments, ensuring 99.9% uptime. Conducted root cause analysis (RCA) to identify recurring issues and implemented solutions, reducing incident recurrence by 30%. Improved incident resolution time by 40%, minimizing downtime and enhancing system performance.
 - **Enhanced Application Security:** Identified and resolved security vulnerabilities discovered during manual penetration testing (PT), improving application security by 40%. Implemented fixes to mitigate risks related to authentication, access control, and data protection.

PROJECTS

- **Smart Contact Manager**
A Full-Stack Web Application
 - : Developed user authentication and role-based access control (RBAC), ensuring secure and structured access management.
 - : Implemented email-based OTP verification for account recovery, reducing unauthorized access risks by 30%.
 - : Designed CRUD operations for efficient contact management, improving data accessibility
 - : Built a responsive UI using Thymeleaf and Bootstrap, enhancing user experience.

CERTIFICATIONS

- **Microsoft Certified: Azure Data Scientist Associate (DP-100):**

AWARDS AND ACCOMPLISHMENTS

- **Recognition Award from TCS (July 2024):**
- **Solved 200+ Problems on LeetCode:** Completed over 200 algorithm challenges on LeetCode, enhancing proficiency in data structures and refining coding strategies; results led to a notable improvement in efficiency during software development tasks.