

BALASUBRAMANIYAN

Full Stack Developer | Java & Web Technologies

+91 8608498598
abithabala@gmail.com
Thanjavur , TN , INDIA.

PROFILE

Full Stack Developer with 10 years of experience building scalable web applications. Proficient in **Java, Spring Boot, HTML, CSS, Javascript, ReactJS** and RESTful APIs. Skilled in **MySQL, Neo4j (GraphDB)**, and full-stack application architecture. Experienced in Network Management Systems (**NMS**) with complete **FCAPS** functionality. Strong team player delivering high-quality, maintainable software in Agile environments.

WORK EXPERIENCE

2022 - PRESENT

NMSWorks Software Pvt Ltd , Chennai

Lead Engineer

- Designed inventory models for submarine systems and facility infrastructure using **Neo4j GraphDB**.
- Led a team of 8 developers to build an **IP Address Management (IPAM)** system for efficient network resource tracking.
- Contributed to core logic and UI design for smooth adoption of the React framework, improving integration and developer experience.
- Built a scalable **Asset Management System** leveraging Spring Boot, MySQL database, and customized Semantic UI components through a wrapper utility for enhanced frontend consistency.

2018 - 2022

NMSWorks Software Pvt Ltd , Chennai

Senior Software Engineer

- Led a 5-member team to develop a **Document Management System** in Java and jQuery, replicating key Office 365 features like editing, sharing, and version control.
- Built **Fault & Performance monitoring** UIs for Broadband IP Networks, mentoring 3 junior developers and delivering responsive dashboards.
- Created a reusable **Web Dashboard framework** with real-time updates and export features, standardized across multiple customer projects.

EDUCATION

2007 - 2011

ANNA UNIVERSITY, CHENNAI

- Bachelor of Computer Science and Engineering - (70.2 %)

1999 - 2002

GOVT POLYTECHNIC, ARANTHANGI

- Diploma in Electronics and Communication Engineering - (82 %)

TECHNICAL SKILLS

Frontend Development

HTML, CSS , Javascript
jQuery , Bootstrap, ReactJS

Backend Development

Java , JSP , Springboot , NodeJS , JPA
Hibernate , REST API , JSON , XML

Database & Storage

MySQL, Neo4j (GraphDB),
Apache Hadoop

Messaging & Streaming

KAFKA , SCDF

Scripting

Shell script , Perl

Protocols

SNMP , HTTP , WebSocket , FTP

Monitoring & Visualization

Grafana , Prometheus, Ganglia
MRTG

Networking Utility & Tools

net-snmp , Ping, Traceroute, Netstat,
nmap, Curl , SSH , Telnet

Web Servers

Tomcat , Apache HTTPD

Operating Systems

Linux (Ubuntu , Redhat)

■ 2015 - 2018

NMSWorks Software Pvt Ltd , Chennai

Software Engineer

- Independently developed **WebReport FW**, a configurable reporting framework in Java, enabling dynamic reports from databases and CSVs with custom UI filters.
- Resolved over 570 legacy issues, including several previously marked unsolvable, demonstrating strong debugging and problem-solving skills.
- Built full **Configuration, View, and Status UI** for a serial device, ensuring secure data handling and alignment with field deployment needs.

2008 - 2015

NMSWorks Software Pvt Ltd , Chennai

QA Engineer

- Conducted FMS testing integrating with ECI-NBI, TEJAS-NBI, and NEC-NBI systems for seamless fault management.
- Managed manual testing and bug tracking using Redmine and Bugzilla.
- Developed **Perl and Shell scripts** to automate fault notifications and monitor JVM performance, server load average, CPU, and memory usage, improving issue detection and system optimization.

LANGUAGES

- English
- Tamil

ACHIEVEMENTS

- Awarded '**Employee of the Year**' for independently identifying and resolving core network issues (jitter and packet loss) causing delays in the Digital Time Information System for Chennai MTC, significantly improving system performance.

PERSONAL INFO

Marital Status MARRIED

Family Occupation FISHERMEN

Communication Address

NO-270,
ABIRAMI ILLAM,
GANESAPURAM,
KATTUMAVADI - POST,
PERAVURANI - TK
THANJAVUR - DT,
TAMIL NADU,
INDIA.