# ANJANA TULASI D

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## PROFESSIONAL SUMMARY

Dynamic and results-oriented **DevOps and Middleware Engineer** with 4+ years extensive experience in **Oracle Fusion Middleware administration**, **WebLogic Server management**, and **cloud infrastructure automation**. Skilled in deploying, monitoring, and optimizing enterprise-grade systems across on-premises and **hybrid cloud environments (OCI, AWS)**. Strong background in **Infrastructure as Code (Terraform)**, **CI/CD automation**, and **middleware performance tuning**. Proficient in **Python, WLST, and Shell scripting** to streamline deployments, automate maintenance, and enhance system reliability. Hands-on experience with **WebLogic migrations (11g → 12c)**, **SOA Suite**, **OSB**, and **AIA** integration. Adept at implementing **monitoring and alerting solutions** using **Splunk, AppDynamics**, and OCI tools, driving incident reduction and uptime improvement. Known for a proactive, analytical approach to problem-solving, cross-functional collaboration, and delivering secure, high-availability environments that align with DevOps best practices.

## SKILLS

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| **DevOps & CI/CD Tools:** | Git, GitHub, Jenkins, CI/CD |
| **Cloud & Infrastructure:** | Oracle Cloud Infrastructure (OCI), AWS, Terraform, Kubernetes |
| **Middleware & Application Servers:** | Oracle WebLogic 11g/12c, Oracle Fusion Middleware, SOA Suite, OSB, AIA, Apache Tomcat. |
| **Database & Operating Systems** | Oracle SQL, PostgreSQL, MongoDB, Linux, Unix, Windows, Ubuntu |
| **Programming & Scripting:** | Python, Shell Scripting, WLST, C, C++, SQL |
| **Frontend Technologies:** | HTML, CSS, JavaScript |
| **Backend & Frameworks:** | Node.js |
| **Monitoring, Ticketing Systems:** | Splunk, AppDynamics, BMC Remedy. |
| **Collaborations & Productivity:** | MS Office, Microsoft Teams, Zoom, Canva |

## PROFESSIONAL EXPERIENCE

### NEXT GEN SOFTWARE SOLUTIONS LLC, Ashburn, VA(Remote)

**Middleware Engineer**                                                09/2024 to 04/2025

- Administered **Oracle WebLogic Server** and **Fusion Middleware** environments, managing deployments, domain restarts, and hybrid cloud integrations on **Oracle Cloud**.
- Automated routine operations and monitoring using **WLST, Shell, and Python**, enhancing efficiency and reducing manual intervention.
- Diagnosed and resolved critical **SOA/AIA** and **database performance issues**, improving platform uptime and service reliability.
- Collaborated in **Agile sprints** via **Jira**, contributing to infrastructure optimization and cloud adoption initiatives.

### ST CLOUD STATE UNIVERSITY, St. Cloud, MN

**TRIO Tutor**                                                         03/2024 to 05/2025

- Tutored students in **Mathematics** and **Computer Science**, simplifying complex technical topics through personalized instruction.
- Promoted **TRIO services** via weekly outreach and workshops, increasing student engagement and program visibility.
- Guided students on **academic planning, financial aid, and career development**, ensuring equitable access to university resources.
- Tracked academic progress and adapted tutoring methods to support diverse learning styles and needs.

**Graduate Assistantship**                                             01/2023 to 05/2023

- Mentored undergraduates in **app development** and **cloud computing**, delivering technical guidance and support.
- Graded lab assignments and exams, contributing to preparation of lecture materials and assessments.
- **Reviewed and edited IEEE research papers** for clarity, technical accuracy, and proper formatting.
- Conducted **code reviews**, providing feedback to improve coding standards and development practices.

**Oracle Fusion Middleware / WebLogic Application Support Engineer**                                    11/2019 to 12/2022

- Administered and supported **Oracle Fusion Middleware** environments including **WebLogic 12c, SOA Suite, OSB, and AIA**, ensuring high availability and peak system performance across production clusters.
- **Led the migration of WebLogic from 11g to 12c**, improving scalability, performance, and security compliance while reducing deployment complexity.
- **Reduced incident volume by 70%** through proactive monitoring, automated health checks, and preventive maintenance using **Splunk**, **AppDynamics**, and custom scripts.
- Automated **deployments, restarts, and configuration management** using **Python, WLST, Shell scripting, and Terraform**, achieving a **40% reduction in manual effort** and consistent environment provisioning.
- Managed **infrastructure on Oracle Cloud (OCI)**, leveraging **Terraform** for Infrastructure-as-Code (IaC) deployments, **Kubernetes** for container orchestration, and **CI/CD pipelines** for automated rollouts.
- Integrated **Oracle Middleware with OCI and external cloud platforms**, enabling scalable **hybrid cloud** architectures and seamless cross-environment interoperability.
- Conducted detailed **thread and heap dump analyses** to diagnose performance bottlenecks, resolve memory leaks, and improve application responsiveness.
- Collaborated with **onshore and offshore (UK)** and **L3 support** teams to resolve high-priority production incidents, meeting **SLA and uptime** commitments.
- Enhanced **SOA Suite and Oracle Service Bus (OSB)** reliability, reducing downtime and user complaints by **85%** through proactive tuning and patch management.
- Deployed and fine-tuned **real-time observability** using **Splunk**, **AppDynamics**, and custom alerting dashboards, cutting incident response time by **50%**.
- Performed **SOAP API, integration testing** to validate service functionality across distributed enterprise systems.
- Executed **application deployments, version upgrades, and middleware platform enhancements**, maintaining system stability and compliance across environments.

**ECIL ELECTRONICS CORPORATION OF INDIA LIMITED,** Hyderabad, India

**Internship**                                                                                             03/2017 to 07/2017

- Developed an **Android-based voting app** with features like user registration and ballot submission using **Java** and **Android SDK**.
- Integrated **MQTT** for real-time communication and designed **database schemas** for user and vote data.
- Collaborated on **API deployment and testing**, improving backend efficiency and scalability.
- Strengthened skills in **application integration, database management**, and **system performance optimization**.

—— **EDUCATION** ——

**GRADUATION**: Computer Science, **St Cloud State University**, USA.                                         05/2025
**UNDER GRADUATION**: Information Technology, **SRM Institute of Science and technology,** India.          05/2020

—— **PROJECTS** ——

**AVATAR**
- Built an open-source project with the **Cloud Computing Club (SCSU)** using ML and brainwave data from an OpenBCI headset to remotely pilot a drone. Processed anonymized brainwave signals with **Apache Spark** for real-time flight prediction and client-side drone control.

**HEALTHCARE RECORDS MANAGEMENT SYSTEM HRMS**
- Developed a full-stack web app for patient, doctor, billing, and admin modules using **React.js, JavaScript, PostgreSQL, MongoDB, HTML, and CSS**. Designed a responsive UI for appointments, billing, and records, improving usability and data flow efficiency.

**VEHICLE PARKING OCCUPANCY USING IOT**
- Built an IoT-based parking solution, specializing in authorization module development, incorporating RFID and ALPR technologies for secure access.
- Integrated MQTT for real-time reservations and streamlined payment processing based on entry and exit times, revolutionizing urban parking management. And published a paper on this project.
- **Publication-** http://sersc.org/journals/index.php/IJAST/article/view/14154

**PART OF SPEECH TAGGING FOR HINDI**
- Developed a Hidden Markov Model for Hindi POS tagging, improving handling of unknown words and smoothing techniques, advancing Hindi NLP technologies.

**MY PORTFOLIO** | Personal Project

- Developed a personal portfolio website using **React** on **Replit**, showcasing projects, skills, and contact information.
- Implemented **responsive UI/UX design** for seamless experience across devices.
- Managed **front-end development** using HTML, CSS, and JavaScript.
- **Backend in progress**: planning to integrate a database to collect visitor contact information.
- Deployed the project on **GitHub Pages**, making it publicly accessible online.
- Applied basic **testing and debugging** to ensure functionality and performance.
- URL: **MyPortfolio**