



# Anjana Tulasi Deverapalli

✉ anjanatdeverapalli@gmail.com ☎ +1 (320) 282-8209  LinkedIn  Github 📍 USA

## PROFESSIONAL SUMMARY

---

Results-driven Software Engineer with 4 years of expertise in cloud automation, Oracle Fusion Middleware administration, and backend development using Python and automation scripting. Proven track record of reducing production incidents by 70% and system downtime by 85% through Oracle WebLogic 11g to 12c migrations, SOA/OSB infrastructure optimization, and automated deployments using WLST and Shell scripting. Expert in AWS, Oracle Cloud, Docker containers, middleware troubleshooting (heap/thread dump analysis), CI/CD pipelines (Jenkins, GitLab), and proactive monitoring with Splunk/AppDynamics, with MS in Computer Science from Saint Cloud State University focused on cloud computing and system optimization.

## SKILLS

---

**Languages:** Python, C, C++, SQL, Shell Scripting

**Frontend Technologies:** ReactJS, JavaScript, HTML, CSS

**Databases:** Oracle SQL, MongoDB, PostgreSQL

**Operating Systems:** Windows, Linux, Unix, Mac, Ubuntu

**Cloud Technologies:** AWS, Oracle Cloud Infrastructure (OCI)

**Containerization:** Docker, Docker Commands, Container Management

**Middleware & Application Servers:** Oracle WebLogic 11g & 12c, Oracle Fusion Middleware, OSB, SOA, AIA, Tomcat, Jenkins

**DevOps & CI/CD:** Git, GitHub, Jenkins, GitLab CI/CD

**Monitoring & Ticketing:** Splunk, AppDynamics, BMC Remedy, Ticket Management, Escalations

**Performance Analysis:** Heap Dump Analysis, Thread Dump Analysis, Memory Leak Detection

## PROFESSIONAL EXPERIENCE

---

**NEXT GEN SOFTWARE SOLUTIONS LLC, *Internship*** ☑ 09/2024 – 04/2025 | Virginia, USA

- Administered **Oracle WebLogic and Fusion Middleware environments**, supporting deployments, domain restarts, and cloud-integrated hybrid systems.
- Automated operational tasks and alert systems using WLST, Shell, and Python, improving efficiency and monitoring across **Unix/Linux** platforms.
- Resolved high-priority **SOA/AIA** and database performance issues, contributing to platform reliability and service continuity.
- Participated in Agile workflows using Jira for sprint tracking and collaborated with cross-functional teams to enhance cloud adoption strategies.

**HEADSTARTER, *Software Engineering Fellowship*** ☑ 07/2024 – 09/2024 | St Cloud, USA

- Completed intensive training in web development and database integration, gaining hands-on experience.
- As a Headstarter Fellow, contributed to full-stack development, API integration, database management, and UI/UX enhancements across multiple team and solo projects.
- Built personal portfolio website (HTML, CSS, Google Analytics) and Pantry Management App (Next.js, Material UI, Firebase) with end-to-end development and deployment.

**SAINT CLOUD STATE UNIVERSITY** ☑ 01/2023 – 05/2025 | St Cloud, USA

**Graduate Teaching Assistant:**

- Mentored undergraduates in app development and cloud computing while grading assignments and preparing lecture materials.
- Conducted code reviews and edited IEEE research papers for technical accuracy and formatting standards.

**TRIO Tutor:**

- Provided 1:1 tutoring in Mathematics and Computer Science, adapting support plans to meet diverse student needs.

- Conducted outreach for TRIO services and connected students with financial aid, career, and counseling resources.

**VOIS (Vodafone Intelligent Solutions), Senior Executive** 

12/2019 – 12/2022 | Pune, India

- Served as key **Oracle Fusion Middleware Application Support Engineer**, handling WebLogic Administration and Oracle Database support for high-availability systems
- **Reduced incident volume by 70%** through proactive monitoring and system maintenance, enhancing long-term uptime and application stability
- Supported and optimized SOA Suite and Oracle Service Bus (OSB) infrastructures, **reducing downtime and user complaints by 85%**
- Spearheaded WebLogic migration from 11g to 12c, significantly improving performance, scalability, and security alignment with industry standards
- **Automated deployments and maintenance tasks** using Python, WLST, and Shell scripting, reducing manual intervention by 40%
- Performed root cause analysis on critical production incidents using heap dumps and thread dumps to identify memory leaks and performance bottlenecks
- Managed application deployments, version releases, domain restarts, and ongoing platform upgrades for production environments
- Integrated Oracle Middleware with Oracle Cloud Infrastructure (OCI) and third-party cloud platforms, enabling hybrid cloud deployments
- Implemented real-time monitoring and alerting using Splunk and AppDynamics, **cutting response times by 50%**
- Conducted SOAP API testing to validate integrations and ensure service reliability across distributed systems.

## EDUCATION

---

**Masters in Computer Science, Saint Cloud State University**

01/2023 – 05/2025 | USA

- Related coursework: Operating Systems, Natural Language processing, Database Systems, Big data organization and management, Advanced data Structures, design and analysis of algorithms.


## PROJECTS

---

**AVATAR-** Developed open-source project with Cloud Computing Club using ML and brainwave data from OpenBCI headset to remotely pilot drones.

### VEHICLE PARKING OCCUPANCY USING IOT-

- Contributed to 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://serisc.org/journals/index.php/IJAST/article/view/14154> 

### HEALTHCARE RECORDS MANAGEMENT SYSTEM HRMS

- Developed a relational database for Admin, Patient Appointments, Doctors, Billing, and Helpline modules using React, JS, PostgreSQL, MongoDB, HTML, CSS. Designed an intuitive web interface for patient sign-in, appointment scheduling, billing, and administrative operations, enhancing user engagement and system usability.

### 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.