

# KAJAVALI VADAPALLI

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## Professional Summary

- Having 12+ years of experience in software development, specializing in Core Java, Spring Boot, Hibernate, JPA, Python, JSP, Servlets, Oracle DB, PostgreSQL, Linux, Design patterns, Data Structures and Windows Operating Systems.
  - Extensive experience in developing and managing Telecom and NMS/EMS/SDN applications, working with SOAP/RESTful Webservices, Docker, Kubernetes, Jenkins, Git, and OpenStack Cloud.
  - Proficient in tools and IDEs like Eclipse, VS Code, and IntelliJ.
  - Expertise in CI/CD processes, automation, and agile methodologies with Maven, Gradle, and Junit testing frameworks.
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## Education

- Master of Computer Applications (MCA): Achieved 80% from Acharya Nagarjuna University in 2009, Andhra Pradesh.
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## Professional Experience

Seiner Technical Specialist	: LTIMindtree (July 2020 – Present)
Module Lead	: ALTEN Calsoftlabs (July 2018 – July 2020)
Senior Software Engineer	: Wipro Technologies (June 2015 – July 2018)
Software Engineer	: Tech Mahindra (April 2011 – June 2015)

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## Key Projects

### Project #5: Nokia NSP IP (Nokia Network Services Platform)

Client: Nokia

Technologies: Java, Spring Boot, Python, Node.js, React.js, Linux, Git

Platform: OpenStack, Kubernetes, Vagrant

Protocols: CLI, Netconf, SNMP, GNMI

Role: Developer

Period: From July 2020

#### Description:

- NSP is a software-defined networking (SDN) application enabling network operators to improve network performance through FCAPS operations (Fault, Configuration, Accounting, Performance, and Security).
- Tools and adaptors are developed to troubleshoot and reconfigure the network.

#### Responsibilities:

- Designed and implemented various adaptors (Equipment, FM, Service, LLDP, Telemetry).
  - Monitored alarms and collected statistics for network topology.
  - Developed H/W inventory and service provisioning adaptors.
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### Project #4: Ciena Blue Planet MDSO

Client: Ciena

Technologies: Python, Java, Linux, Git, Jinja, JSON, SOAP, REST, Docker, Vagrant

Role: Developer

Period: From August 2018

#### Description:

- MDSO automates service delivery across physical and virtual domains, leveraging model-driven abstraction and open APIs. Integrated with various domains, it simplifies network service provisioning and orchestration.

#### Responsibilities:

- Developed resource adapters (RA) and service templates (ST) for physical and virtual domains.
  - Conducted unit and integration testing for service provisioning.
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### Project #3: ERIC\_WRANMOM

Client: Ericsson

Technologies: Core Java, Shell Script, Linux, XML, Webservices

Role: Developer

Period: From June 2015

**Description:**

- OSS-RC is Ericsson's subnetwork manager supporting centralized operation of mobile networks. It offers modules for service assurance across GSM, WCDMA, LTE, and core networks.

**Responsibilities:**

- Delivered new features, responded to trouble reports, and implemented changes.
  - Modified and enhanced existing schemas and product behaviour.
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**Project #2: CA Mediation Manager**

Client: CA Technologies

Technologies: Core Java, Spring, Hibernate, Webservices, JavaScript, XQuery

Role: Developer

Period: From September 2012 to May 2015

**Description:**

- Developed solutions for communication service providers (CSP) for performance management across IP and non-IP devices. Created multi-threaded Java applications for data collection and performance metric analysis.

**Responsibilities:**

- Designed device packs for various CSPs, integrating with NMS solutions.
  - Automated test suites and debugged device packs.
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**Project #1: Opportunity Map Tool (OMT)**

Client: Motorola Solutions/Nokia Siemens Networks

Technologies: Java, Swings

Platform: Windows XP

Period: January 2012 to July 2012

**Description:**

- Visual, interactive tool for exploring trends and correlations in large datasets.

**Responsibilities:**

- Implemented, enhanced, and tested OMT features.
- Fixed bugs and implemented feature enhancements.

**Skills**

**Programming Languages & Frameworks:**

- Core Java, Python, Spring Boot, Hibernate, JPA, JSP, Servlets, Shell script

**Databases:**

- Oracle DB, Postgres DB

**Operating Systems:**

- Linux, Windows

**Tools & Platforms:**

- Eclipse, VS Code, IntelliJ, Docker, Kubernetes, Jenkins, Git, OpenStack Cloud

**Web Services:**

- SOAP, RESTful Webservices

**Domain Expertise:**

- Telecom, NMS/EMS/SDN Applications

**Testing & Build Tools:**

- JUnit, Maven, Gradle

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**Additional Strengths**

- **Problem Solving:** Adept at analysing complex systems and resolving challenging technical issues.
- **Collaboration:** Good communication skills with experience in working with cross-functional teams.
- **Adaptability:** Quickly learns and adapts to new technologies and methodologies.