DIVYARAJSINH JADEJA

Holding Chancenkarte - Opportunity Card Visa (from 01.10.2024)

Pune, Maharashtra, India

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Portfolio: https://www.djadeja.com

LinkedIn: https://www.linkedin.com/in/djadeja

Gender: Male | **Nationality:** Indian

CORE COMPETENCIES

- Product Development
- Product Design/Architecture
- Process Management
- SAFe/Agile Development
- Data Privacy & Compliance
- Project Leadership
- System Analysis and Design
- Requirement Analysis
- REST API Webservices Development
- Software Testing and Automation
- Performance Optimization
- Protocols (SIP, OSSI, PCTT)
- Data Processing and Analytics
- Observability
- Team Mentoring and Support
- Troubleshooting and Debugging

SOFTWARE SKILLS

- **Languages: Modern C++**, C/C++, Python, Java, C#
- **Frameworks:**
- **Application Development**: Qt, MFC, VC++, .Net, Spring Reactive, WebFlux, ReactJS
- **Technologies**
- **Web Communication**: REST, SSE (Server-Sent Events), Web Services, WebSocket
- **Message Systems**: Apache Kafka, Redis, MQTT
- **Paradigms**
- Object-Oriented Programming
- Message & Event driven Programming
- Functional Programming
- Reactive Programming
- **Intermediate Level Skills**
- **Web Development**: JavaScript (JS), TypeScript, CSS, Angular, HTML5
- **Testing Frameworks**: Robot Test Framework, Cucumber, Behave
- **Programming**: Go, TS, Ruby
- **Monitoring**: ELK (Elastic, Logstash, Kibana), Prometheus, Loki
- **Asynchronous Programming**: Celery
- **Media Processing**: gStreamer
- **3D Graphics**: HOOPS 3D
- **Image Processing**: OpenCV

PROFILE SUMMARY

Innovative and strategic Lead Software Engineer with over 15 years of experience in the Information and Communications Technology sector. Adept at spearheading R&D initiatives, delivering Telephony Communication Solutions and Contact Center as-a-service solutions with a robust technical skill set in Modern C++, C/C++, Python, Java, Spring Reactive, Cloud technologies, and more. A proven track record in leading development teams, implementing Scrum and SAFe methodologies, and holding patents filed with the USPTO. Excels in full SDLC management, from requirement analysis to deployment, emphasizing quality, scalability, and performance. A passionate problem-solver and architect of scalable solutions, seeking to leverage extensive experience in dynamic organization.

- ❖ **Technical Leadership:** Directed REST APIs development for Telephony Services to provide connectivity to telephony switch instruments via SOAP/XML services, also contributed to achieving significant capacity expansion in enterprise-level switches.
- ❖ **Innovative Solutions:** Filed patents with the USPTO, underscoring a commitment to innovation and cutting-edge technology development.
- ❖ **Agile Methodologies Expert:** Proficient in Scrum and SAFe, enhancing product quality and development efficiency.
- ❖ **Strategic Problem Solving:** Mastered complex problem-solving in software design and functionality enhancement, ensuring robust and scalable solutions.
- ❖ **Team Development:** Mentored junior developers and engineers, fostering a culture of continuous learning and improvement.
- ❖ **Performance Optimization:** Led initiatives that doubled telephony switch capacities, demonstrating exceptional technical and analytical skills.
- ❖ **Communication Mastery:** Excelled in cross-functional collaboration, ensuring seamless integration of diverse technologies and systems.

EXPERIENCE

Avaya, Pune, India | Senior Module Lead II (SE-IV)   Jan 2014 – Present

Product: Avaya Aura Communication Manager

Tech Stack: Modern C++, C/C++, Python, Behave, Robot, Java, Spring Boot, Spring Webfliux, Apache Kafka, Bamboo, Jira, Telephony, SIP, plantUML, BDD, Gherkin, BitBucket, Git, SVN

Summary:

- ❖ Led REST API development for Telephony Services using C++ and Java, focusing on reactive programming.
- ❖ Managed core data structure enhancements for switch capacity expansion, impacting its entire architecture.
- ❖ Contributed to analysis, task delegation, and design for major product releases and service packs.
- ❖ Developed Python tools for scoping over 400 source files, created an automated testing framework.

- **Windows Development**: Qt, C++/CLI, C++/CX, C++/WinRT, UWP
- **Component Object Model**: COM
- **Concurrency & Parallelism**: Multi-threading, Concurrency, IPC (Inter-Process Communication)
- **Build Tools:** CMake, Make, MSBuild, Premake
- **Cloud Technologies**
  - **Azure**
    AKS, Databricks, Stream Analytics, Delta Live Tables, Delta Lake, Lake House, Spark, PowerBI, MicroStategy
  - **Entry Level Cloud Tech**: Serverless, Infrastructure-as-Code, AWS: DynamoDB, Lambda Functions, Step Functions, API Gateway, GCP: BigQuery, Run, Function, Build
- **Databases & Caches**
  - **Databases**: PostgreSQL, MS SQL
  - **Caches**: Redis, Azure Hyperscale, Azure Redis Cache
- **Documentation & Collaboration**
  - **Documentation**: plantUML, Swagger
  - **Collaboration**: Confluence
  - **Code Quality & CI/CD**: SonarQube, Jenkins, Kubernetes, Helm, Docker
- **Operating Systems**
  - Linux, Windows, Mac
- **Business Intelligence Tools**
  - MicroStrategy and PowerBI
- **Tools**
  - **Development & Version Control**: Visual Studio Code (VS Code), Git, BitBucket, GitHub
  - **Project Management & Documentation**: JIRA, Confluence
  - **Containerization & Orchestration**: Docker, Kubernetes, Helm
  - **Performance & Monitoring**: JMeter, Datadog
  - **Utility**: tmux

EDUCATION

- **Bachelor of Engineering: Computer Engineering** from V.V.P. Engineering College, Saurashtra University, 2001 – 2005

CERTIFICATION

- **Microsoft Certified: Azure Fundamentals**

- ❖ Achieved switch capacity upgrade to 300,000 extensions, maintaining functionality and reliability.
- ❖ Enhanced Avaya's proprietary protocols (OSSI and PCTT), supporting inter-service communication and data management.
- ❖ Improved MWI/VoiceMail features using SIP, requiring updates to core telephony components.
- ❖ Designed call flows with plantUML, utilized Kafka for communication in distributed setups, and implemented automated testing.

Product: Avaya Experience Platform (AXP) Cloud-Based Contact Solutions
Tech stack: Java, Spring Boot, Microservices, Azure Kubernetes, Docker, Helm, Kafka, Redis, Azure Redis Cache, PostgreSQL, Azure Hyperscale, MicroStrategy, Databricks, Stream Analytics, Delta Live Tables (DLT), PowerBI, Avro, Cucumber, Jenkins, Jira, Git, Spark, PySpark
Responsibilities:
- ❖ Directed data processing for real-time and historical analytics.
- ❖ Assessed functional and non-functional requirements.
- ❖ Estimated development timelines, highlighting challenges.
- ❖ Mentored developers, enhancing problem-solving skills.
- ❖ Troubleshot code-level issues efficiently.

Product: Avaya IP Office
Tech stack: C++, C#, .Net, Webservice, AngularJS, Bamboo, Jira, Git
Responsibilities:
- ❖ Led the development of administrative software solutions for Telephony Switch.
- ❖ Documented functional and non-functional requirements.
- ❖ Introduced new configuration modules, enhancing switch capabilities.

PRECEDING EMPLOYMENT

- ❖ **Senior C++ Developer | Asite Solutions, India | Mar 2012 - Dec 2013**
  Tech Stack: C++, Qt, BIM, HOOPS 3D, CI-CD, Windows, Mac, collaborative BIM
- ❖ **Team Lead | eInfochips, India | Oct 2011 - Mar 2012**
  Tech Stack: C++, Qt, Windows, Mac, Device, gStreamer, Interactive Camera/Board
- ❖ **Module Lead | Avaya, India | Dec 2007 - Oct 2011**
  Tech Stack: VC++, C#, .Net, CORBA, gSOAP, LDAP, ClearCase, Windows, Linux
- ❖ **C++ Developer | Zeus Systems, India | Aug 2005 - Dec 2007**
  Tech Stack: VC++, MFC, Windows, SVN

PATENTS FILED

- ❖ U.S. Patent Application No.
  - ○ US20230117924A1 20 Apr, 23
  - ○ 17/895,049 21 Aug, 22
  - ○ US20240028676A1 19 Jul, 22
  - ○ US20230403366A1 8 Jun, 22
  - ○ 17/719,982 24 Mar, 22
- ❖ Germany Patent Application No.
  - ○ DE102023114371A1 01 Jun, 23
  - ○ DE102023118219A1 10 Jul, 23

PERSONAL DETAILS

- ❖ **DOB**: 12-12-1984
- ❖ **Languages:** English, German (A1, A2 in-progress), Hindi, Gujarati