

Prem Algeti

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SUMMARY

- **Around 3 years** of experience in Analysis, Design, Development, Implementation and Maintenance of applications using **Java/J2EE** Technologies like **Servlets**, **JSPs** and **Spring Boot** with knowledge of **SDLC** concepts.
- Experience developing and deploying Enterprise Java Beans on Application Servers like **Tomcat** and **WebSphere**.
- Experience in writing **Maven** build scripts, providing logging facility using **Log4j** and Writing **JUnit** test cases.
- Proven **SOAP** and **WSDL** implementation skills for Web Services.
- Proficient knowledge of **XML**, as well as associated technologies including **XSD**, **XSL**, **XSLT**, and parsers like **JAXP**, **SAX**, **DOM**, and **JAXB**.
- Used the **Log4j** logging API framework to log **Java** programs for monitoring and debugging needs.
- Working knowledge of financial domain which includes concepts of different payment messaging formats and standards like **MT103**, **ACH**, **Swift**, **Pain 008**, **ISO 20022** and **Universal**, as well as integration with third party applications for transformation of message formats using REST APIs and ActiveMQ.
- Experienced with **Azure cloud services** like **Azure Virtual Machine**, **Azure Blob Storage**, and **Azure Active Directory**.
- Used **MAVEN** and **ANT** as a build tool, and **GIT** and **SVN** as version control systems for managing source code.
- Has experience managing **Tables**, **Views**, **Indexes**, **Sequences**, **Stored Procedures**, **Functions**, **Triggers**, and **Packages** in databases including **MySQL**, **Oracle**, and **MS SQL Server**.
- Outstanding technical, analytical, and problem-solving abilities, meticulous attention to detail and capacity for individual work in addition to teamwork.

SKILLS

Languages:	Java, Python, Data Structures and C
Web Technologies:	HTML, CSS, JavaScript and PHP
Web Services	RESTful, SOAP
Architecture	SOA, Microservices
Frameworks:	Spring, Angular and Spring boot
Database:	MySQL, Oracle and Mongo DB
Software:	Azure, Jupiter, Git, GitLab, Jira, Postman, IDEs (IntelliJ and Eclipse) and MS Office Suite
Build Tools	Maven, Jaspersoft Studio, ANT and Volante Designer
Methodologies:	SDLC, Agile and Scrum
Operating Systems:	Windows, Mac OS and Linux
Servers/Containers	Apache Tomcat, Oracle WebLogic 12.1.2 and Docker

EDUCATION

Master of Science in Information Technology

University of Cincinnati, Cincinnati, OH

| Jan 2023 – May 2024

/GPA: 4.0 / 4.0

Coursework: Machine Learning & Data Mining, Cloud Azure Topics, Mobile Application Development, Principles of Cyber Security and Advance Storage Technologies.

Bachelor of Technology in Computer Science & Engineering

Mahatma Gandhi Institute of Technology, Hyderabad, India

| Jun 2016 – May 2020

/GPA: 7.62 / 10

Coursework: Java, Data Structures, Python, Data Algorithms, Database Management System and Computer Network.

EXPERIENCE

Volante Technologies, Hyderabad, India

Software Engineer

| Nov 2020 – Dec 2022

Project Banco del Bajío

Description: Message transformation of bank specific messages (Custom Layouts) to support the three processes: payroll process (MUTATIO), massive payments (EMPRESARIOS), B Pay (SUA). Implementation of REST services and integrating with third party application Veritrans to facilitate the functionalities.

Roles and Responsibilities:

- Designed and developed custom layout for parsing the file as part of payment processing and performed **validations** on file.
- Developed **REST** services for the functionalities in Payroll Process.
- Implemented generation of Caratulas Reports using **Jaspersoft Studio**.
- Utilized **Java 1.8** features including streams, lambda expressions, functional interfaces, collections, Date/Time enhancements, and type annotations.
- Enhanced application performance through the implementation of **Multithreading, collections, synchronization, and exception handling** strategies.
- Used **Spring Data** Repositories to perform **CRUD** operations.
- Used **GIT** repository for software configuration management and version control.
- Facilitating payment format **mapping** within **Volpay**, ensuring seamless transition and compatibility across various formats.

Project Banco Agrícola

Description: Banco Agrícola required a new platform for administration, monitoring and processing of Payments, which allows Banco Agrícola to create a centralized Hub on which to integrate the different existing payment ecosystems, and which as a starting point will meet the needs and objectives of regulatory regulations, this project was to "Strengthening the Mass Payment System (SPM)", which was conceived by the Central Reserve Bank.

Roles and Responsibilities:

- Created a channel to accept the input formats, **validating** messages and **transforming** it into BCR (**Clearing house** of Agrícola) understandable format.
- Interfacing between BANK and VolPay using **REST APIs** and **ActiveMQ**.
- Implemented time-based flows using **Apache Camel schedulers**.
- Implemented polling of files from client SFTP location using Apache camel.
- Managed and stored the data in Mssql database.
- Built and Automated the Generation of **Daily Reports of Payments** using **Jasper Studio** and **Volante Designer**.

Software Engineer Intern, Volante Technologies, Hyderabad, India

Jan 2020 - Nov 2020

- Worked on Enterprise Integration Patterns using Volante designer.
- Messaging Formats and standards.
- Validation, Transformation of Message Formats.
- Understanding and Implementing REST in the realm of service-oriented architecture.
- Understanding and implementing single page applications using Angular and Implementing message transformation using Angular forms and REST services.

ACHIVEMENTS

- Secured 1st place in University Annual Tech Fest event named Microosm, where I had to fix the bugs to make the code work.
- Scored 99.5 percentile in Joint Entrance Examination Mains, an All India Engineering Entrance Examination (National Percentile).