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| epam-logo.png | EPAM Systems, Inc. 41 University Drive, Suite 202 Newtown, PA 18940 267 759 9000 Phone 267 759 8989 Fax www.epam.com |

**Alan Oliveira – Senior Software Engineer**

Summary

* Java Developer with experience in developing both microservices and monolith applications, and large experience with maintenance, expansion, and migration of legacy code. Able to quickly acquire knowledge about domains and projects. Accustomed to working on Agile teams operating in CI/CD and Cloud environments
* Areas of expertise
* Java EE
* Spring Framework
* Relational and no-SQL databases
* Computer Science
* Business Domains
* Insurance-Healthcare
* Consumer Credit Report
* HR
* Governmental
* Strengths
* Team player
* Pertinacious researcher
* Quick learner
* Achievements
* Certified Google Cloud Associate Cloud Engineer
* Certified Microsoft Azure Fundamentals
* Achieved C1 level certification in English in both Cambridge and IELTS certification exams (November 2017 and February 2018 respectively)
* Committed with the client, regularly proposed improvements that were well received by the client/team
* Received positive feedback from colleagues by getting involved in many initiatives and trying to help as much as possible

Skills

**Academic Disciplines**

* **Humanities:** Portuguese
* **Applied Sciences:** Design patterns, Asynchronous programming and multithreading, Test-Driven Development, Clean Code, REST, Dependency injection, Legacy Code, Domain-Driven Design (DDD)

**Business Functions**

* **Governance, Risk & Compliance:** Version Control

**Engineering Practices**

* **Digital Engagement:** Java Core, Front-End Development
* **Cloud:** Cloud Computing basics, Cloud
* **Advanced Technology:** Java Software Design, Java EE Development, Java Troubleshooting, Java Security, Java Dependency Injection, Cloud Fundamentals, Java Microservice Infrastructure, Java Bootstrapping, Java Caching, Java NoSQL, Software Engineering Practices, Java Web Development, Java Containerization & Orchestration, Java Development, Java Messaging, Java Persistence, Java Cloud, Java Streaming, Software Engineering Knowledge & Experience, Concurrency, Java Version Control, Continuous Integration, Java Development (Competency), Java SQL, Java Observability, Software Design, Software Engineering Processes, Continuous Delivery, Java Build
* **Quality Engineering:** Unit Testing

**Leadership & Soft Skills**

* **Ownership:** Ownership

**Managerial**

* **General Management:** Scrum, Agile

**Technologies**

* **Data:** MySQL, Redis, DB2/z, PostgreSQL, H2
* **Framework:** slf4j, JUnit, AssertJ, jQuery, Logback, Spring Core, Mockito, JPA, Hibernate, Apache Maven, Jackson, Spring Boot, Spring MVC
* **Standard:** UML, JDBC, Jakarta EE, JAX-RS, Git, AJAX, Jakarta Servlet
* **IDE:** Eclipse, IntelliJ IDEA
* **Web/Application Server:** Apache HTTP Server, Web Services, Apache Tomcat, IBM WebSphere Application Server
* **Computer Language:** UNIX shell scripting, JavaScript, Java 11, Java 8, Java, CSS, SQL, XML
* **Solution:** Apache Struts, Jenkins, TortoiseSVN, BitBucket, Microsoft Excel, Version Control Systems, GitHub, Lombok, Postman, Microsoft Word
* **Operating System:** Linux, Microsoft Windows
* **Platform:** Google Cloud Platform, Docker, Microsoft Azure

Work experience

**Nov-2022 - Till now (Mar-2023)** - Senior Software Engineer, EPAM Systems, <https://www.epam.com/>

**Customer:** Walgreens Boots Alliance

**Customer Description:** Life Sciences & Healthcare

**EPAM Project Description:** This project focuses on RX (Prescription) Platform Product Engineering at Walgreens. Rx Platform is the heart and soul of a Pharmacy Co. Walgreens Rx Platform is a large and complex program (run over the last couple of years) to modernize the prescription foundation and related areas

**Team Size:** Dev team: 12 members  
- Business Analyst team: 3 members  
- QA team: 5 members  
- Project Coordinators: 4 members

**Project Roles:** Key Developer

**Responsibilities:**

* Developed the integration of a web service on one of the RxP stream microservices with Azure Service Bus messaging
* Updated existing logic on one of the RxP stream microservices to comply with the new Business Requirements
* Fixed a bunch of production issues
* Worked on PoC to improve the API validation

**Tools and Technologies:** Azure Cosmos DB, - Azure Portal  
- IntelliJ, - Java 8  
- Spring Webflux (Reactor project)  
- Azure

**Jan-2022 - Nov-2022** - Software Engineer, EPAM Systems, <https://www.epam.com/>

**Customer:** Walgreens Boots Alliance

**Customer Description:** Life Sciences & Healthcare

**EPAM Project Description:** Performing IT consulting services to develop a platform to improve consumers’ access and experience in healthcare, thereby improving health outcomes and reducing aggregate costs

**Team Size:** Dev Team: 4 members, QA Team: 2 members, 1 Product Owner, 1 Business Analyst, and 1 Scrum Master

**Project Roles:** Java Developer

**Responsibilities:**

* Developed many RESTful web services, as part of a microservice, to either save or update data in different containers on the no-SQL Cosmos DB database and/or in the Azure Blob Storage and to retrieve this data
* Developed multiple aspects using Spring AOP to guarantee the data integrity before saving it
* Actively participated in the design of the logic for validating data consumed from a Kafka Stream
* Developed the core logic of the validation chain for validating data consumed from a Kafka Stream
* Developed multiple links in the validation chain for validating data consumed from a Kafka Stream
* Actively participated in Pull Requests reviews
* Presented the new features during Demo sessions
* Created and presented documentation resulting from Spikes

**Tools and Technologies:** Azure Cosmos DB, IntelliJ, Kubernetes Lens, Azure Portal
  
, Azure, Java 11, Spring Boot 2.5.\*, Spring WebFlux, Kubernetes, Microservices, Apache Kafka, Cosmos DB, Swagger, Gradle, Git

**Aug-2021 - Dec-2021** - Software Engineer, EPAM Systems, <https://www.epam.com/>

**Customer:** Kingland Systems

**Customer Description:** Software & Hi-Tech

**EPAM Project Description:** Migrate a group of webservices and services from AWS to GCP

**Team Size:** Dev Team: 4 members
  
Dev/Ops Team: 2 members
  
Delivery Manager

**Project Roles:** Java Developer

**Responsibilities:**

* Create design documents to describe the steps - code changes, changes on Docker configuration files - to migrate the microservices from AWS to GCP
* Performed applicable changes on the existing code to migrate the existing projects/microservices from AWS to GCP

**Tools and Technologies:** PostegreSQL, DynamoDB, Redis, IntelliJ IDEA, GCP Cloud Console, AWS Management Console, Maven, Docker, Kubernetes, Spring Boot, Cloud, AWS, GCP, Amazon SQS, Amazon SNS, Amazon S3, Cloud Pub/Sub, Containerization

**Oct-2019 - Jul-2021** - Software Engineer, EPAM Systems, <https://www.epam.com/>

**Customer:** Equifax

**Customer Description:** Business Information and Media

**EPAM Project Description:** Rewrite and improve EID and Fraud subsystem - a part of the Common Application Services suite

**Team Size:** 1 Business Analyst, 4 Software Engineers, 1 Quality Assurance Engineer, 1 SRE Engineer

**Project Roles:** Java developer

**Responsibilities:**

* Developed new features on a legacy monolith Spring Boot application, based on the client's requirements, running in both on-premises and cloud environments
* Participated in the migration of a legacy monolith Spring Boot application from an on-premises environment to the AWS Cloud and, later, from AWS to the GCP Cloud
* Performed integration between a legacy monolith Spring Boot application and some AWS services, e.g., Cognito, ElastiCache (Redis), CloudWatch (using Spring AOP)
* Suggested and developed improvements on both the aforementioned monolith application and on a microservice used by this same application, both developed in Java/Spring Boot
* Worked on the development of new features and maintenance of many Spring Boot microservices running on GCP Kubernetes Engine
* Extended/fixed bugs on some JavaScript functions running on AWS Lambda
* Developed automated unit and integration tests
* Performed bug tracking and bug fixes
* Presented the work done during the Sprints on Demo sessions with the client

**Tools and Technologies:** Cassandra, Redis, Cloud Bigtable, IntelliJ, Visual Studio Code, Git, Docker, Maven, Jenkins, Postman, Kubernetes, Java 1.8, Spring Boot, Lombok, Version Control, Containerization, CI/CD, Cloud, AWS, GCP

**Apr-2019 - Aug-2019** - Software Engineer, EPAM Systems, <https://www.epam.com/>

**Customer:** EPAM Systems, Inc

**Customer Description:** Software & Hi-Tech

**EPAM Project Description:** Project Scorecard - Scorecard is a group project within Java Academy.
  
This is an internal EPAM project.
  
The domain is related to IT and project management on a higher level

**Project Roles:** Java developer

**Responsibilities:**

* Worked with a Lead Software Engineer in the analysis of the benefits of migrating the source code of the project from Java 8 to Java 11
* The main Java features that were identified at that time, as beneficial for increasing the quality and maintainability of the source code, were the addition of the modules system in Java 9, the try-with-resources functionality, the local-variable type inference, and the new default Garbage Collector, that we noticed during tests decreased the resources consumption substantially

**Tools and Technologies:** H2, PostgreSQL, IntelliJ, jConsole, Maven, Java 8, 9, 10 and 11, Spring Boot 2.0.4, JUnit

**Aug-2016 - Dec-2018** - System analyst, Global Hitss, <https://www.globalhitss.com/>

**Customer:** IBM

**Project Description:** My Staffing Advisor - a mobile application derived from the "Professional Marketplace" portal, to advise IBM Professionals and Project Managers on the best matching positions/professionals, respectively, using A.I. techniques

**Team Size:** 1 Project Manager, 3 Business Analysts, 5 Java developers, 6 Frontend developers, 3 Quality Assurance analysts, 1 Database Administrator, 1 Solution Architect, 1 System Architect, 1 Data Scientist

**Project Roles:** Key Java developer

**Responsibilities:**

* Played the role of Key Java Developer in the design/development of a monolith RESTful Java application using the Spring framework. My main responsibilities as the Key Developer were to work with the Architects in the software design of the application; participate in weekly sync-up meetings with the project stakeholders - Business Analysts, Architects, Project Manager and Client; help the other Java developers either with the understanding of the requirements or with some code-related decision/approach
* Worked in the development of the application
* Developed the integration with IBM DB2 database and IBM WEX API
* Developed unit and integration tests
* Documented all the changes done in the code related to the User Stories, both in the bug tracking tool and in Word documents

**Tools and Technologies:** IBM DB2, Watson Explorer API, IBM Rational Application Developer, ZenHub (project management), Git, CVS, Jenkins (CI), IBM UrbanCode Deploy (CD), IBM WebSphere Application Server 8.5.x, IBM Watson Explorer 10.x, IBM Mobile First Platform Foundation, Java 1.7, Spring 4.x

**Jan-2015 - Aug-2016** - System analyst, Global Hitss, <https://www.globalhitss.com/>

**Customer:** IBM

**Project Description:** Professional Marketplace - An internal portal at IBM where Professionals can search for new opportunities and Project Managers can search for professionals to join their projects

**Team Size:** 1 Project Manager, 4 Business Analysts, 2 Systems architects, 1 Software architect, 6 System analysts, 1 Mobile application developer, 7 Q/As, 2 Database Administrators

**Project Roles:** Full-stack Developer

**Responsibilities:**

* Developed new features in a legacy monolith application, based on the Change Requests provided by the Business Analysts, both in the Backend (Struts) and Frontend (JSP, CSS, Dojo) of the application
* Fixed several bugs in the application
* Designed and developed many RESTful web services to consume/save data on the IBM DB2 database, using IBM's JAX-RS implementation
* Implemented unit tests in the application

**Tools and Technologies:** IBM DB2, IBM WebSphere Portal, IBM Rational Application Developer, IBM Rational Collaborative Lifecycle Management (CLM), Squirrel SQL, Java 1.6, Struts 1, JSP, CSS, JavaScript, IBM Watson Explorer

**Dec-2013 - Dec-2014** - Junior Developer, FacTI, <https://facti.com.br/>

**Customer:** CEMADEN - Brazilian National Centre for Monitoring and Early Warning of Natural Disaster

**Project Description:** 1. SIADEN - Software to monitor the health of the computational infrastructure and the applications running on the on-premises servers.
  
2. Software to alert the meteorologists of the Center about a set of defined thresholds related to natural disasters being exceeded, based on observed data (quantity of rain in the last 24 hours, wind speed, wind direction, land movement, etc.) consumed from different sources

**Team Size:** 1 Systems Architect/Resources Manager, 1 Database Administrator, 1 UX Designer, 1 Business Analyst, 6 Full-stack developers, 1 intern

**Project Roles:** Full-stack Developer

**Responsibilities:**

* Developed new features and fixed bugs in the legacy Java monolith applications already in use in the project
* Participated in the software design and development (Java, JAX-RS) of a monolith application to monitor the computational infrastructure of the Centre
* Developed a series of scripts in PHP to consume data, either via REST/SOAP web services, by reading text/CSV files, or by reading from external databases, to populate an internal database that would be used as the main data source for a software to alert the meteorologists of the Centre about a set of defined thresholds related to natural disasters being exceeded

**Tools and Technologies:** PostgreSQL, NetBeans, Postgis, Subversion, OpenLayers
  
, Java 1.7, PHP 5, jQuery, HTML, CSS, Twitter Bootstrap, Google Maps API, JAX-RS

**Mar-2010 - Nov-2013** - Technological and Scientific Development Fellowship Program, CNPq - National Council for Scientific and Technological Development, <http://www.cnpq.br/>

**Customer:** INPE/CPTEC - National Institute for Space Research/Center for Weather Forecast and Climate Studies

**Project Description:** The LBA - Large Scale Biosphere-Atmosphere Experiment in Amazonia - is a multi-disciplinary, multinational scientific project led by Brazil. LBA researchers seek to understand Amazonia in its global context, especially with regard to regional and global climate

**Team Size:** 1 Resources Manager, 1 Infrastructure Support Analyst, 1 Developer/Support Analyst

**Project Roles:** Developer, Support Analyst

**Responsibilities:**

* Designed and developed two web-based monolith applications in PHP/Symphony framework/HTML/CSS/JavaScript/JQuery
* Gave support and maintenance on the Software and Hardware belonging to the project (Windows Server)

**Tools and Technologies:** Microsoft SQL Server, Eclipse IDE, Microsoft Office, SVN
  
   
, PHP, SQL, FTP, Windows Server

Education

**Name of the Education Establishment:** Unisal University

**Faculty/College:** Salesian University of Sao Paulo

**Degree (diploma):** Bachelor

Certificates

* **2022** - Microsoft: Microsoft Certified: Azure Fundamentals
* **2021** - Google: Associate Cloud Engineer