OSCAR RICARDO VALENCIA AGUILAR

Software Engineer

osriva@gmail.com | linkedin.com/in/osriva/ | +57-3164498820

Education

M.S. in Telematics Engineering

🎓 Universidad del Cauca

📅 April 2018

B.S. in Systems Engineering

🎓 Universidad del Cauca

📅 March 2013

Strengths

(Java) (PHP) (C#)

(JavaScript)

(Spring Boot) (JPA)

(jQuery) (Hibernate)

(PostgreSQL) (MySQL)

(MongoDB) (OracleDB)

(Maven) (Windows)

(Linux) (OS X) (Git)

About me

Systems Engineer with 8+ years experience in software development in different programming languages such as Java, C#, PHP, using technologies like Spring Boot, JPA, Hibernate, JavaScript. Also, experience managing MongoDB, PostgreSQL, MySQL and OracleDB databases.

My soft skills are teamwork, discipline, communication, leadership, and high adaptation to work on interdisciplinary environments.

Experience

Software Engineer

Sophos Solutions S.A.S

📅 January 2022 -

❖ Designed, developed, and deployed 10+ API REST based on Java using Spring framework, Spring Boot, and JPA program language to support business and personal data in web and mobile applications used for 2000+ users.

❖ Maintained, developed, and deployed web services based on Java using MQ Queue to support business and personal data in web and mobile applications used by 2000+ users.

Ecotecma S.A.S

📅 April 2016 - January 2022

❖ Designed, developed, and deployed 40+ API RESTful based on Java program language to support business and personal data in web and mobile applications used for 1000+ users.

❖ Designed and created databases in MongoDB, PostgreSQL, and MySQL to manage data used for mobile and web applications.

Languages

Spanish

English

Certifications

AWS Cloud TALKABOUTS
Nectec
June 30th, 2021

AWS Discovery Day
Nectec
June 26th 2021

Web application development with PHP

SENA
June 30th, 2011

CCNA Exploration: Network Fundamentals

CISCO
November 17th, 2010

Publications

- Web Service Adaptation for the Customization of Early Alerts in Agriculture (2020). https://doi.org/10.22395/rium.v19n37a14
- A Cloud-Based Platform for Decision Making Support in Colombian Agriculture: A Study Case in Coffee Rust (2018). https://doi.org/10.1007/978-3-319-70187-5_14
- Improving Early Warning Systems for Agriculture Based on Web Service Adaptation (2018). https://doi.org/10.1007/978-3-319-70187-5_11
- Decision Support System for Coffee Rust Control Based on Expert Knowledge and Value-Added Services (2017). https://doi.org/10.1007/978-3-319-62395-5_6

❖Developed scheduled tasks (demons) in Java program language to launch alerts and notifications about prices, climate conditions, and other related business delivered to 1000+ different devices.

❖ Administered a Linux server to manage Glassfish server, Mongo databases, and other applications to support concurrency for 500+ users and applications.

Researcher and Software Engineer

UT Ricclisa

📅 May 2013 - February 2018

❖ Research in early warning systems, complex event processing, and enterprise services bus to support decision-making related to the Colombian coffee sector for helping 300+ people between farmers, researchers, and stakeholders.

❖ Designed, developed and deployed 100+ SOAP Web Services and API RESTFul based in Java program language to support business and personal data in web and mobile applications use for 300+ users between coffee farmers, research and stakeholders.

❖ Designed and created databases in PostgreSQL, MySQL and OracleDB to manage business data use for mobile and web applications.

❖ Designed, implemented, and deployed web applications in PHP using CakePHP framework, JavaScript, and CSS to organic control of diseases and pests in coffee crops for 200+ coffee farmers.

❖ Administered a Linux server to manage Glassfish server, databases, and other applications.

Software Engineer

S&P Solutions S.A.S

📅 July 2010 - July 2011

❖Developed an application module to update 5000+ vehicles properties based on C# program language for the municipal traffic secretary in Popayan city.

❖ Developed a web platform based in C# program language using ASP .NET framework for the Cauca Vive Digital project.