Boris Palacios

Senior Engineer

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SUMMARY

A passionate and results-oriented software developer with a strong background in Java | Design Pattern | SOLID | DevOps development and a keen interest in Bioinformatics. Skilled in HL7 and EHR data analysis and proficient in Linux and Database Management. Highly motivated to leverage expertise in Software development and security to contribute to innovative solutions.

SKILLS

Languages and Frameworks · OS & Platforms	Java, Spring Boot, Hibernate, Groovy/Grails, C++, JavaScript, Angular, React/Redux, HTML/CSS, JUnit, Mockito, Flutter/Dart, Kafka, Hadoop; Linux, Mac, news(go, python)
Bioinformatics	HL7, FHIR, EHR systems, PDB
DBMS	CosmosDB, PostgreSQL, MySQL, Oracle;
SCM, Build, CI/CD	DevOps, Docker, Kubernetes, GitLab, GitHub, Jenkins
Cloud	AWS, Azure, GCP
Other	Test Driven Development, SOLID, Clean Code, OOP;

EDUCATION

Universidad Nacional Abierta de Barranquilla

> Systems Engineering bachelor's degree   2014 - 2019
>
> *Health Management*   2023 – *cur*

UNIR

> *MS Bioinformatic*   2024 - cur

CERTIFICATIONS

Sun Microsystems - Sun Certified Java Programmer (SCJP)

Microsoft Certified Professional: ASP.NET and Microsoft Framework 3.0

Oracle Database 10g: Administration l

EMPLOYMENT HISTORY

AgileEngine, Senior Java Engineer   **2021 - 2023**

At Indeed, a global platform connecting job seekers and employers, I contributed to the modernization and optimization of internal applications as part of their product development teams. Key achievements:

Successfully migrated:

- Internal applications from Java 8 to Java 11 for improved performance and access to new features.
- Gradle build tool from version 6 to version 7, enhancing build efficiency.

Enhanced testing:

- Created comprehensive tests during the migration process to ensure application functionality and reliability.

Improved build process:

- Integrated SonarQube for static code analysis into the Jenkins and GitLab-CI pipelines, promoting code quality and security.

Knowledge sharing:

- Documented internal project migrations and Spring Boot web services, contributing to the knowledge base and facilitating future development efforts.

Resolved dependency issues:

- Fixed Gradle version compatibility issues in various projects, preventing dependency conflicts and deprecation warnings.

Enhanced monitoring:

- Implemented monitors to track Spring Boot Cron Job execution and Datadog monitoring for Apache Spark/Spring projects. These monitors provide alerts via email and Slack channels, facilitating proactive error detection and resolution.

Skills: DevOps · Kubernetes · Docker · Cloud Computing · Java · Spring Boot · Jenkins · Mockito · SQL · Agile Methodologies · Object-Oriented Programming (OOP) · SOLID Design Principles · Design Patterns

Globant, Java Developer   2020 - 2021

At Globant, a leading IT and software development company, I contributed to the design and development of scalable and performant backend systems. My responsibilities included:

- Designing high-throughput backend architectures: I engineered systems capable of handling a high volume of concurrent connections while ensuring optimal performance.
- Data processing and routing: I built functionalities to efficiently read JSON data, distribute it to relevant microservices, and store it in NoSQL databases.
- Microservice development: I utilized Spring Boot to develop modular and independent services, promoting maintainability and scalability.
- Continuous integration and deployment (CI/CD): I implemented automated builds and deployments using Jenkins, ensuring efficient delivery and updates.
- Version control: I adopted Git as the version control system for code management and collaboration.

Leveraging external libraries: I effectively utilized various Java libraries to streamline development tasks and achieve desired functionalities.
Skills: Spring Boot · Mockito · JUnit · DevOps · Google Cloud Platform (GCP) · NoSQL · JPA · Java · SOLID Design Principles · Design Patterns · Object-Oriented Programming (OOP) · Cloud Computing

Grupo Cinte, Java Developer   2019 - 2020

Cinte (Mexico) is an IT solutions provider specializing in: IT staffing and business process integration, ERP implementation and Consulting, development, and support for various platforms.

MIDATACREDITO - Experian British Company
Developed a web application enabling small and medium businesses to verify potential clients' creditworthiness before entering business agreements.
Key responsibilities:

- System integration with PayU payment gateway for seamless financial transaction handling.
- Development of system integration modules with PayU.
- Establishment of connections to external web services for component interaction.
- Design and development of the user interface (UI) for a user-friendly experience.
- Management and development of Dev, QA, and Prod databases.
- Integration with service buses (SOAP) for communication with external systems.
- Data conversion from XML to JSON for data exchange compatibility.
- Implementation of Spring Security for secure application access.

Skills: Java · Spring Boot · Angular · MySQL · HTML · JavaScript · SOAP · Spring Security · Linux System Administration · Agile Methodologies.

HALLIBURTON, Java Developer   2018 - 2019

As a developer at Halliburton, a global leader in energy products and services, I supported the Ecopetrol Colombia energy business line with Analytics, Big Data, Automation, and Digital Transformation solutions. I played a key role in developing and maintaining critical applications used in the upstream oil and gas sector. This involved:

- Developing and supporting applications: I collaborated with colleagues to design, build, and maintain applications for Peru Petro and other projects.
- Analyzing seismic data: I leveraged my skills in Java and C++ to implement data analysis algorithms for interpreting seismic data, a crucial aspect of oil and gas exploration.
- Database management: I ensured the efficient operation of Oracle and Postgres databases, providing essential data storage and access for various applications.
- Modern software development: I utilized Spring Framework, Angular, and React to create new software components, contributing to efficient development practices and user-friendly interfaces.
- Ecopetrol project: I applied my expertise in C++ and Java to read and process seismic and well data, a vital task for reservoir characterization and production optimization.

Skills: Java · Spring Boot · Microsoft Excel · JavaScript · Angular · React.js · C (Programming Language) · C++ · Seismic Data · Oil and Gas Data · Visual Basic · MySQL · Oracle · PostgreSQL

CARECLOUD, FullStack Developer   2018 - 2018

CARECLOUD, a startup providing software-as-a-service solutions for the healthcare (CareCloud) and financial (Infolaft) sectors, I contributed to the development team. My key responsibilities included:

- Developing the Local Checklist system for Infolaft: This Java Enterprise Edition system, built with Spring Framework (Security, Rest, Data), empowers banking and insurance entities to assess and mitigate risks by understanding their counterparts.

- Supporting the development team: I collaborated with fellow developers to ensure project success.

Skills: Spring Boot · Spring Data · Hibernate · JPA · MySQL · AngularJS · Cascading Style Sheets (CSS) · HTML5 · Components

CHUBB & Cognizant & ManPower, Software Developer   2018 - 2018

Chubb is the world's largest publicly traded property and casualty insurance company. It is also the leading commercial lines insurer in the United States. Chubb is known for its broad range of products and services, extensive distribution channels, and direct-to-consumer platforms. These platforms offer life, personal accident, supplemental health, homeowners, auto, and specialty personal coverage.

- I worked on the Bridge Layer business layer project. This project was responsible for establishing connections with various systems through web services. The system facilitated data exchange between Chile, Argentina, Panama, Peru, and Colombia.

My responsibilities included:

- Verification and monitoring of data sources Synchronization of SOAP and Microsoft MasterData services Data normalization for analysis with Microsoft MasterData

Skills: SQL · SOAP · SoapUI · Microsoft SQL Server · Microsoft MasterData

CSI GROUP, Software Developer   2016 - 2017

CSI Group, a Spanish software company based in Bogota, provided support, development, and implementation of the iAxis system. Business software for the insurance line of business such as Liberty Seguros, La Aseguradora Confianza, Positiva, among others. Responsibilities focused on extending functionalities and customization according to the needs of the clients:

- iAxis - Liberty Seguros
- iAxis - Confianza Swiss Re

SARLAFT Implementation and basic user data modules. Support and implementation of stored procedures in Oracle PL/SQL and Struts Framework. Support and update of user interfaces in Java Server Pages using HTML, Javascript, Ajax and CSS.

Skills: Oracle PL/SQL Development · JSP · Struts Framework · iAXIS · Servlets · Apache Tomcat · Tortoise SVN · Cascading Style Sheets (CSS) · HTML · Java

INNOVAR TECNOLOGIA SAS, Java Developer   2013 - 2015

Migración Colombia State entity that regulates, registers, and controls the entry and exit of all national and foreign citizens.

- Responsibilities focused on supporting, maintaining, and extending the existing functionalities of the web application.
- Design and implementation of generational algorithms for dynamic personalized forms according to the criteria of migration agents. Teamwork for continuous improvement applying good development practices such as SOLID and Pattern Design.

Ministry of National Education (MEN) State entity responsible for regulating, enabling, and accrediting all public or private, national and international institutions that offer higher education programs to citizens.

- The Nuevos SACES project is a web platform built under Java Enterprise Edition for the registration, control, and monitoring of the process of accreditation of high-quality education programs.
- Responsibilities as a developer were focused on the design, implementation, and support of the different models for the accreditation procedures of Programs, Registration and Approval of Peers, Pecuniary Rights, Administrative Menu, Role Management, Document Management and Reporting.
- The implementation was carried out using Oracle as the database engine and Hibernate as the ORM framework for data persistence. Java Server Faces in integration with Primefaces for the construction of the user interface, such as tables, forms, etc.

Rodrigo Lara Bonilla School Law school that provides continuing education.

- Responsibilities focused on the development and implementation of new functionalities for student registration and control, subject assignment, attendance registration, academic grade registration, course completion certification, and student record reporting.
- Database migration from Microsoft Access to the new structure in MySQL. Development and implementation of a Java solution capable of reading records from flat files such as CSV and migrating them to the new architecture.

Skills: Java · SQL · EJB · JSF · Hibernate · Glassfish · Oracle Weblogic · PHP · Primefaces · JPA · RichFaces · Maven · Subversion · iReport · JBoss Application Server · Eclipse

I2B Tech, Java Developer   2012 - 2013

Chilean company based in Barranquilla dedicated to the design and construction of technological software for online stores such as Walmar Chile (Lider.cl)

- Duties focused on supporting and solving incidents on the platform (online store) under the Oracle ATG Commerce technology for Walmart Chile (Lider.cl).
- Frontend support for existing functionalities by updating pages built in Java Server Pages and Servlets.

Skills: Java · JSP · Servlets · Oracle ATG Web Commerce · Eclipse · Payment Systems · JBoss Application Server · JavaScript

Righthand, Java Developer   2012 - 2012

Startup tasked with building software for Saintec (Dental Clinic).

- Responsibilities focused on building the electronic medical record using the Google Web Toolkit (GWT) framework integrated with Enterprise Java Beans.
- Additionally, the construction of the Patient Reception, Security, and Digital Signature services.
- The application had the ability to adapt to different devices such as desktop browsers and tablets (Responsive).

Skills: Java · GWT · Java Enterprise Edition · EJB · MySQL · Java Server Pages · Java Persistence Api · HL7 Standards · Electronic Medical Record (EMR)

Datasysworld, PHP Developer   2011 - 2012

Startup dedicated to building custom software for Proteger Consultoría (Occupational Health Clinic).

- Responsibilities focused on gathering requirements with the client.
- Design and construction of the Electronic Medical Record, Reception Module, Visiometry Module, Optometry Module, Spirometry Module, among others.
- Design and construction of the medical appointment scheduling module.

Skills: PHP · HTML · PostgreSQL · jQuery UI · SQL · HL7 Standards · Electronic Medical Record (EMR) · Bioinformatics

GIFP, Java Developer   2011 - 2012

Portable desktop application with the following functionalities:

- Allowing dynamic queries for auto parts.
- Supporting search filters such as Model, Version, Dimensions, Color, Material, and Year.

The GIFP application was integrated with a portable database like SQLite, which, in conjunction with Hibernate, allowed it to function without an internet connection.

Skills: Java Swing · Hibernate · SQLite · JPA · NetBeans · SQL

Health Promoting Entities, System Analyst   2010 - 2011

Health Promoting Entity that acted as an intermediary between the healthcare provider institution and Fosyga (the state entity that pays for the health care of all patients).

- Responsible for managing the medical history of employees in the process of retirement.
- Processed complete documentation in insurance entities for the approval of workers' pensions.

Digitized healthcare bills in the E.P.S. payment system.

Skills: Databases · Electronic Medical Record (EMR) · HL7 Standards · Bioinformatics