

Manuel Ernesto Bonilla Muñoz -CV

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Bogotá D.C., Colombia – Cra. 111 # 74b – 20

About me

With 13 years of experience as a software developer, eight years of experience as a software instructor, and four years of experience as a software development Tech Lead, I have the skills and experience to help your team deliver high-quality, scalable services. and reliable software solutions.

As a Java Lead Engineer, I have led projects, collaborated with cross-functional teams, and mentored junior developers to build robust and maintainable software systems. With my deep understanding of software architecture, design patterns, and best practices, I can guide your team in making sound technical decisions, optimizing performance, and ensuring code quality.

My experience as a software instructor has also provided me with excellent teaching and communication skills, which I can leverage to train your team on the latest Java technologies and methodologies. Whether you're looking to create a new product from scratch or maintain an existing one, I can help you achieve your goals and boost your business.

Languages

Spanish: Native

English: B2+ (Intermediate Advanced level in listening, writing and reading).

Experience

Globant. (February 2024 – May 2024)

Software Architect

Most relevant projects:

- British Airways (Modernization of the flight reservation system, offers and luggage):

- **Microservices Development in Java 17 with Spring Boot and Spring WebFlux:** I actively participated in the design and implementation of scalable and modular microservices using Java 17, Spring Boot and Spring WebFlux, optimizing the performance and functionality of the platform.
- **GDS Systems Integration:** I collaborated in the integration of GDS systems such as Amadeus and Routehappy, ensuring efficient access to critical data for system operation.
- **Test Driven Development (TDD):** I rigorously applied TDD to ensure 100% code coverage, contributing to software quality and stability.
- **Kubernetes Deployment:** I participated in the deployment and configuration of the application in Kubernetes clusters, optimizing the scalability and availability of the system.
- **Collaboration and Knowledge Transfer:** I worked closely with the team, sharing knowledge and learning from my colleagues to achieve the project goals.

First Factory INC. (January 2021 – November 2023)

Full Stack Software Engineer

Most relevant projects:

- **Kognito Simulations (Web platform for digital learning experiences):**
 - Spearheaded maintenance efforts on a mission-critical legacy training platform built with the Unity game engine for robust course tracking and learning analytics.
 - Strategized large-scale data migration scripts in PHP and Java to seamlessly move volumes of learner data across runtime environments.
 - Designed and implemented PHP-based certificate issuance to validate course completion.
 - Provided front-end support with Vue.js to enrich learner experience.
 - Established CI/CD pipelines on GitLab to enable continuous integration and rapid iteration of new features.
 - Played an instrumental role in ensuring 24/7 reliability and availability of the platform through proactive troubleshooting, system monitoring, and preventative measures.

- Pioneered multiple optimization initiatives to enhance platform scalability and performance, supporting exponential growth in the learner base.

Client: Ascend Learning

Web Development (PHP, Laravel, JavaScript, Vue.js)

Mercury-TFS (March 2020 - July 2020)

Senior Full Stack Software Developer

Most relevant projects:

- Mercury Portal (Process management for banks focused on foreign trade and swift messaging):
 - Served as a versatile full-stack developer in the microservices support team for a global fintech company facilitating international money transfers via SWIFT.
 - Spearheaded end-to-end development of new mission-critical features spanning front-end UI components to backing microservices.
 - Rapidly prototyped and implemented user-facing elements with a focus on usability and functionality.
 - Hardened back-end services through rigorous unit testing protocols.
 - Drove major platform enhancement initiatives to enable faster and more efficient cross-border transactions.
 - Took ownership of vital microservices managing transaction compliance, cashflow reconciliation, confirmation protocols, and currency conversions.
 - Instrumental in maintaining 24/7 availability of services through on-call rotation, proactive monitoring, and preventative actions.
 - Authored detailed design specifications for a sustainable and scalable architecture.

Internal Project

Java Web Development (Microservices Spring Boot, JavaScript, Sencha ExtJS)

Conexia (January 2020 – March 2020)

Java Senior Developer

Most relevant projects:

- Emssanar – Lazos (Process management for a healthcare provider)
 - Served on the back-end development team supporting mission-critical systems for a major Colombian healthcare services provider.
 - Spearheaded enhancements of multiple Java/Spring Boot modules powering core platforms for appointment scheduling, prescription authorizations, and medical procedure approvals.
 - Rapidly built and deployed new user-centric capabilities to improve system functionality and ensure strict regulatory compliance.
 - Directly responsible for modules handling tens of thousands of daily patient requests and interactions.
 - Hardened services through rigorous unit and integration testing procedures for robustness and fail-safety.
 - Proactively monitored platform health metrics and led troubleshooting efforts to maintain high uptime SLA.
 - Identified and optimized system bottlenecks, contributing to improved overall throughput.
 - Documented complex module interactions and data contracts for efficient onboarding of new team members.

Client: Emssanar EPS

Java Web Development (Spring MVC V.4 JSP, JavaScript, jQuery)

Deployment into Aws EC2 environments

Telefonica Colombia - “Movistar” (2016 - 2020)

Tech Lead, Java and Android consultant

Most relevant projects:

- Planeacion Comercial – (Sales and goal management of telephone services sellers):
 - Initially consulted on next-generation architecture blueprints and proof-of-concept prototyping for a prominent Colombian telecommunications provider.
 - Recognized for expertise in modern mobile and web technologies and subsequently promoted to multi-year technical leadership role for a nationwide business intelligence platform used by over 100 planning managers.

- Hand-picked and trained a 5-person agile development team spanning native Android, JavaScript web front-end, and Java enterprise back-end skillsets.
- Championed adoption of Spiral software methodology reinforced with Scrum ceremonies and Kanban project transparency practices using Jira.
- Hosted in-depth requirement gathering sessions with commercial teams to translate essential sales analytics needs into prioritized user stories.
- Constructed complex system architecture encompassing real-time field data synchronization, geospatial visualizations, KPI dashboards, and incentive modules for tracking consultant performance versus targets.
- Developed comprehensive REST APIs and data schemas to foster effective collaboration between distributed app, front-end, and back-end developers.
- Conducted extensive integrated system tests resulting in a highly cohesive platform improving demand planning, territory assignment, and pricing processes company wide.

Internal Project

Android native Development and Java Full-Stack Development (MSSQL, Java EE, JavaScript with jQuery)

Ministry of Mines and Energy (2015-2015)

Mobile Developer

Most relevant project:

- Asesor Virtual MinMinas
Apache Cordova Development

AppFuture Group (2014 - 2018)

Full-Stack Software Developer

Most relevant projects:

- Prisma (ERP)
Client: Llanogas S.A E.S.P

PHP Backend Development
PHP Backend developer (PostgreSQL, PHP, Symfony 2.1)

- **Nominaciones**
Client: Llanogas S.A E.S.P
Java Backend Development
Java Backend developer (PostgreSQL, Java, Spring Framework)

Intecap (On demand)

Software development instructor
Instructor of: Java, Java EE, Android and JavaScript

Progredi (On demand)

Software development instructor
Instructor of Android

Goldsys (On demand)

E-learning tools instructor
Instructor of Adobe Captivate

Natura Software (2013 - 2014)

Java Full-Stack Software Developer

Most relevant project:

- Control Panel (“Tablero de control”)
Client: Mayor’s Office of Bogotá D.C.
Java Full-Stack Development
Java Full-Stack Developer (PostgreSQL, Java EE)

Colombia Games (2012 - 2013)

Mobile game Software Developer

Most relevant project:

- Beat Star game (Salsa – Rock)
Internal Project
Mobile Development
Mobile game Developer (ActionScript 3, Flash Platform, Flixel)

DB-System (2011-2012)

Java Full-Stack Software Developer

Most relevant project

- EDUC
Client: National Administrative Department of Statistics (DANE)
Java Full-Stack Development
Java Full-Stack Developer (Oracle ADF, Java Server Faces, Java Persistence API)

Quipux Innova (March 2011 – October 2011)

Java Developer

Most relevant project

- Vigia (ERP)
Client: Superintendence of ports and transport Colombia government
Java Software Development
Java Developer (Oracle DB, Spring Web Flow)

Saint George's School (2010 - 2011)

PHP Software Developer

Education

Software Engineer

Manuela Beltran University: Scholarship for better academic average for periods 2018-01 and 2018-02

Technologist: Analyst and Developer of information systems

SENA: 2010

Certifications and other studies

Training: MongoDB for DBA's

MongoDB University - 2015

Adobe Certified Associate
Adobe - 2012, 2013, 2014

Skills & Strengths

Frontend Developer: ECMA 5/6, HTML5, CSS3, UI/UX, Accessibility

Frontend frameworks and libraries: Vue.js, Handlebars, jQuery

Leadership, Systems Analyst, Customer Service

Backend Developer: Java, PHP

Mobile Developer: Android native with java, and Apache Cordova

Git, Refactoring, Code Review, Design Patterns

Educator, Instructor, Mentor

Database Developer: PostgreSQL, MySQL, MSSQL, MongoDB

Scrum, Testing, DevOps

Good Communication Skills (Reading / Writing / Speaking)

A stylized, handwritten signature in black ink, appearing to read 'Manuel Bonilla', with a horizontal line underneath.

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