



Rodrigo Escobar

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Software Engineer / Developer

Bilingual solutions-driven Software Engineer / Developer with strong experience and performance in modular and Object-Oriented programming. Well-versed in all phases of the software development life cycle with strong working knowledge of algorithms and data structures. Proven success engineering customized solutions which solves the business needs, operations and profitability.

Skills / Technology Summary

Languages: Java, PHP, C++, JavaScript, HTML, HTML5, XML, CSS3, Assembly.

Databases: MySQL, SQL, Oracle SQL, SQLite.

Systems: Unix, Linux, Ubuntu server, Ubuntu, Mint, Kubuntu, Kali Linux, Windows (all), Windows Server, Android.

IDE's: Eclipse, Visual Studio, NetBeans, IntelliJ, Android studio, Dreamweaver, BlueJ.

Versioning: Git, GitHub, SVN, BitBucket, Jira.

Frameworks / API's: GWT, Vaadin, JDBC, J2EE.

Other: Bash Scripting, Data Structures, Network Security, Networking, VMWare, VMware Workstation, VSphere, Agile, Progressive Web Application (PWA), Apache Tomcat 9, LAMP, WAMP, Adobe Creative Suite, Adobe, Moodle, Blackboard.

Professional Experience

ISYS Technologies - Oct 2020 – Present

SAIC Software Engineer

- Support complete software development lifecycle for testing
- Perform Systems and Software Integration
- Produce software test documentation for inclusion in an STP and STD sufficient to support airworthiness certification
- Analyze system, software, and hardware specifications and interface documents to support a transition

ALL CLEAR (Aviation Company) – Ft. Lauderdale, FL.

Facility Security Officer (FSO) – Mar 2020 to Nov 2020

Directed all aspects of government classified information and cleared personnel per NISPOM regulations. Over 90 hours of training with more than 40 certifications and Active Security Clearance

- Maintained security records for 90 personnel. Provided security indoctrination/ debrief, and all hands security training.
- Initiated, reviewed, and submitted periodic reinvestigation files using JPAS / DISS.
- Helped to implement System Security Plan, Security Concept of Operations, and Configuration Management documents for an Information Technology system security plan.
- Coordinate SF86, DD254, and visit requests.
- Developed and administered initial and annual security indoctrinations and briefings

Inventory Analyst - Mar 2009 to Nov 2020

Ensure the maintenance of the inventory levels necessary to meet projected sales demands, create inventory reports, perform cycle counts and determine assets valuations periodically. Results:

- Create Scripts and queries to generate different inventory reports.
- Achieve and maintain 99+% accuracy of the inventory over 98,000 unique part numbers, 170,000-line items and 2.5 million parts/pieces with more than 140 million in acquisition cost.
- Wrote and maintain Security and safety Documentation consisting of Emergency Action Plans, Classification Manual, COMSEC SOP, Facility Policy and Procedure Manual.
- Create and implement a built-up process for APU Short Pod and ECS modification kit for C-130 airplanes to ensure they pass Lockheed Martin hologram certification that generates approximately 5M+ in revenue per year.
- Cross-trained in all Operations functions, QC, Picking, Shipping, Stocking, Cycle Count, internal and external audits.
- Support the IT department during high demand workloads. Installation and maintenance of the systems infrastructure and required software and research for new technologies.

NATIONAL OCEANIC and ATMOSPHERIC ADMINISTRATION (NOAA) -- Miami, FL

Software Developer, Mar - 2017 to Oct 2017

Create a Progressive Web Application to keep the facility assets inventory, using Java, J2EE, JDBC, SQL and Vaadin touchkit framework. Manage all phases of application design -- from coding and prototyping through system testing, integration and deployment.



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- Use Vaadin Touchkit framework.
- J2EE to develop a mobile application.
- JDBC
- SQL
- Apply Progressive Web App (PWA).
- Offline First implementation for a flawless user experience and improve the application performance.

TRAVEL LAB INC (*Accounting*) – Ft. Lauderdale.
Android Developer, Mar 2016 to Dec 2016

Develop the Travel App application for Android, an air travel tracking and data-logging application for Android smartphones, which provides airline flight crew with an automatic and effective solution for calculating their annual per Diem tax deduction allowance, with the least possible user interaction and without the user having to open the Application.

- The application consists of 22 Classes written in Java using the Android Studio interface, Google's Android syntax, Google play libraries and services like Geolocation.
- It uses a SQLite Database with 4 tables to store relevant data for more than 6900 airports and 1747 per diem places.
- Developed under the Agile Scrum Methodology.

MASTER CORPORATE ENGLISH (*Online Language Tutoring*) -- Colombia, S.A.
Web Master / Learning Management System (LMS) Administrator, Feb - 2014 to May 2020

Web Master and System Administrator.

- Design and maintain the company's website using JavaScript, PHP, HTML5, CSS3, Bootstrap, XML and Adobe Creative Suite.
- Install, set up and maintain the LMS platform and maintain it to ensure the access, usage and positive experience of the students and instructors.

NOVA SOUTHEASTERN UNIVERSITY (*College Institution*) – Ft. Lauderdale, FL.
Networks, Communication and Security Lab Technician Director, Feb - 2013 to Jul - 2014

Setup and maintain virtualized LAMP production servers hosting Java/Tomcat and PHP projects. Present and implement solutions that bolster the Computer Science, Computer Information Systems, Computer Engineering and Information Technology programs, such as: Open source wikis, Workflow software, Bash and JavaScript's to read files and transfer the information to the database. Remote monitoring and notification software. **Results:**

- Research and develop software to enhance faculty and student programs.
- Propose and implement the cloud resources for CS Students.
- Ensure secure operation of production servers.
- Help college to obtain and maintain the Association for Computing Machinery (ACM) Affiliation.

U.S. NAVY (Armed Forces) -- Norfolk, VA.
Gas Turbine System Specialist, Dec - 2001 to Apr - 2004

Responsible for maintenance, operation and repairs of propulsion motors and auxiliary steam, diesel machinery systems, generators, boilers, turbines, reduction gears, propellers and shafting. Conducted blueprint readings of machinery, systems and industrial safety. **Results:**

- Basic Training Honor Ribbon - Graduated with honors on the top 3 of the class.
- Navy "E" Ribbon – Battle efficiency competition, to members of ships, squadrons or units.
- Combat Action Ribbon – Satisfactory performance under enemy fire while actively participating in a ground or maritime engagement.
- Start Navy Seals Training.

Education

NOVA SOUTHEASTERN UNIVERSITY – Ft. Lauderdale, FL | **BS in Computer Information Systems (CIS)**, 2016.
U.S. NAVY – Great Lakes, IL | **AS in Propulsion Engineering**, 2001.



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Projects

CHAUVET – Ft. Lauderdale, FL | chauvetlighting.com/

Solve formatting issues with the generation of PDF files for the main website, using TCPDF (A free and open source software PHP class for generating PDF documents)