EXPERIENCE

Publicis Groupe
Feb 2021 – Current
Principal Software Engineer

Working in a cloud native application for its client Nissan Motors. The app provides all the web presence of the client, with hundred of sites with marketing, E-commerce, Post Sale Services, and many others. My rule there is as a backend developer assigned to the Application Support Team using Java as the core craft.

Among my achievements are: Working directly with the client to solve issues in production; Provide training to my peer in the group; Help to develop the policies and procedures of the team.

Technologies used: AWS (EC2, S3, SQS, Lambda, Glue, and others), Python, Java, Javascript, React, Vue, Apigee, Splunk, Bitbucket, GIT, JUnit, Tomcat, Mongo Database, Linux, Shell Script.

NCR Colombia Ltda
Jan 2019 – Ago 2020
Consultant

Working in a company dedicated to automation, self-service, ATMs and points of sales. Responsible for the automation of customer services in banks. In charge of ATMs. Ensuring the proper functioning of the server that connects the ATMs. Developing the software and the transactional part of the services. Responsible for the installations in banks. Performing tests in production environments. Executing tests with JUnit in a Linux platform for the product built in Java. Using Git for version control. Working with a dual desktop interface programmed in Java. Developing automated installations using Shell Script for batch tasks and Oracle as the database. Responsible for ensuring that the software is installed correctly.

Technologies used: Java, JTP, JUnit, Tomcat, ActiveMQ, Oracle Database, PL/SQL, Linux, Shell Script, Git.

Garcerant & Bolivar Integradores C.A.
Oct 2014 - Current
Consultant / Owner

Participated in the continuous growth of the company, going beyond the technical work. Responsible for sales, graphic design and accounting. Completed projects related to IoT, SCM, fintech and science. Implemented Qt in order to develop interfaces for a mobile application that showed the status of the company's machinery to the client. Used OpenCV to implement facial-recognition features on NVR system. Completed a project to smart control of public transport systems. Participated in a payment network project. Implemented the network architecture for collections and payments. Used technologies such as C++, Web Services and server-side Node.js. Worked on a project for a Canadian company that programs a scraper and consolidates information regarding doctors' medical certifications. Implemented Visual Web Scrapper, Talend and XPath for the transformation processes, the load in the database and the generation of reports. Designed and developed a compiler for object-oriented language. The project was developed for a US university. Used mainly C++ and programming languages such as Ada and Java. Worked with GitHub, Bitbucket, Git and Mercurial to track changes and execute deployments to client servers.

Technologies used: C, C++, Java, Ada, Node.js, Qt, Visual Web Scrapper, Talend, XPath, Git, GitHub.

Tecnocomputacion 3000 S.A.
Apr 2010 - Sep 2014
Researcher & Lead Engineer

Created the R&D area. Established area practices, procedures and goals. Located two new partners for the company (one in the ATM area). Fulfilled a high-profile role in many complex projects with important clients in the banking industry. Represented the company in meetings with board directors. Responsible for the development of a project for Banesco, a bank with an international presence. Worked on the design and deployment of the product using Unix, IST/Switch and C ++. Responsible for the POCs and presentations to the board. In charge of the development of cryptography and payment systems. Created the Development and Quality Assurance team. Supervised a team of eight people. Implemented standard practices for agile programming (Scrum). Completed several complex and high demanding projects. Led the programming and quality assurance teams in software-intensive projects related to FIS products (IST/Switch, Data Navigator, among others), Ingenico POS (Unicapt32 and Telium), Perto ATM, Datacard Affina, G&D EMV Cards. Implemented Mercurial as the company control system. Worked with C++ and Bitbucket to develop the point of sale codes.

Technologies used: C, C++, FIS IST/Switch, FIS Data Navigator, Unicapt32, Telium, Perto ATM, NCR ATM, Diebold ATM, Datacard Affina, G&D EMV Cards, Unix, Mercurial, Bitbucket, Scrum.

Synergix Solutions C.A.
May 2007 - Mar 2010
Consultant

Met with clients on a daily basis to identify their needs. Completed several medium-size projects related to ERP, CRM and other information systems. Created the company blog, which reached the first page in Google's results for several relevant terms. Provided consulting services focused on information systems, warehouse management, CRM and distributors of ERP product lines. Worked with C++ for customizations. Fulfilled the role of Database Administrator. Used HTML, CSS and JavaScript to execute maintenance tasks for a Warehouse Control System developed in ASP Classic.

Technologies used: C, C++, Visual Basic, HTML, CSS, JavaScript, SQL Server, T-SQL, ERP, CRM, JasperReports, Windows, Subversion.

Seebeck Instrumentación y Control C.A.
Jun 2001 - Nov 2003
C++ Engineer

Responsible for firmware programming in C, C++ and Assembler. In charge of the MS-DOS and PLC programming. Provided preliminary analyses of selected technologies to senior staff. Responsible for the creation of electronic prototypes, embedded hardware programmed in C++ and protocol converters using Unix.

Technologies used: C, C++, Assembler, PLC, Unix, MS-DOS.

Altair Telecomunicaciones C.A.
Apr 2000 - May 2001
Software Engineer

Responsible for ETL programming in Perl. Used PHP and frontend technologies such as HTML, CSS and JavaScript. Worked on a satellite telephone designed for remote locations. Used Unix Solaris servers programmed in C++. Responsible for the Data Warehouse. Executed ETL procedures to retrieve data from the Router System, converted the SQL Server and generated reports using Perl and PHP.

Technologies used: C, C++, Perl, PHP, HTML, CSS, JavaScript, SQL Server, MySQL, ETL, Unix, Solaris.

OTHER EXPERIENCE

Personal Project
Jan 1999 - Dec 2005
System Programmer

Worked with C, C++, Perl and Shell scripts to develop "Clasica Linux", a Linux distribution made from scratch. Maintained the project over the course of the years. Implemented new features and upgrades. Gained extensive knowledge related to the Linux platform.

Technologies used: C, C++, Perl, Shell Scripting, Linux.

Personal Project
Aug 2017
Programmer

Developed a simple text editor in Electron as way to put into practice the knowledge acquired during a course.

Technologies used: Electron, JavaScript, Node.js.

TEACHING EXPERIENCE

Free Software Academy
Jul 2005 - May 2007
Technical Instructor

Taught groups of approximately 25 people. Provided IT support to the academy and its sixty Linux PCs. Responsible for the technical training in Open Source technologies, focused on Debian Linux, Apache Web Server, OpenOffice and Shell Script. Helped update and clean the Linux PCs. Taught students how to work with C++, Unix and MySQL.

Technologies used: C++, Apache Web Server, MySQL, Open Source, OpenOffice, Linux, Debian Linux, Unix, Shell Script.

Selecta SRL
Feb 2004 - Jun 2005
Instructor

In charge of courses related to Open Source and Internet Technologies. Responsible for small groups, approximately five people per group. Provided IT support to the academy and its twenty-five SUSE Linux PCs. Taught students how to use C++, Unix and MySQL. Worked with Debian Linux, HTML, CSS, OpenOffice. In charge of installation and maintenance of the two laboratories.

Technologies used: C++, HTML, CSS, MySQL, Open Source, OpenOffice, Linux, Debian Linux, SUSE Linux, Unix.

COURSES & TRAININGS

Udemy
PHP Laravel, Python, and Basic French, 2020

Udemy
Unreal Engine, Unity and OpenCV, 2017

Udemy
Web Technologies: JavaScript and Django, 2014

Udemy
C/C++, 2014

EDUCATION

National University
Bachelor's Degree in Computer Science, 2010

SKILLS

- C
- C++
- Java
- JTP
- JUnit
- Tomcat
- ActiveMQ
- Ada
- Visual Basic
- Perl
- PHP
- Assembler
- Node.js
- HTML/CSS
- JavaScript
- Qt
- Apache Web Server
- SQL
- SQL Server
- MySQL
- Oracle Database
- PL/SQL
- ETL
- Talend
- Visual Web Scraper
- XPath
- Open Source
- OpenOffice
- ERP
- CRM
- JasperReports
- PLC
- FIS IST/Switch
- FIS Data Navigator
- Unicapt32
- Telium
- Perto ATM
- NCR ATM
- NCR Authentic
- Diebold ATM
- Datacard Affina
- G&D EMV Cards
- Windows
- Linux
- Unix
- Solaris
- Shell Scripting
- MS-DOS
- Mercurial
- Subversion
- Bitbucket
- Git
- GitHub/Gitlab