

# PABLO AUGUSTO NUX

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## WORK EXPERIENCE

Bolsa de Comercio de Rosario, Rosario, Santa Fe

*Software Engineer III (Lead), Jan 2006 – Present*

- Modify existing software to correct errors, allow it to adapt to new hardware, or to improve its performance.
- Develop and direct software system testing and validation procedures, programming, and documentation.
- Confer with systems analysts, engineers, programmers and others to design system and to obtain information on project limitations and capabilities, performance requirements and interfaces.
- Analyze user needs and software requirements to determine feasibility of design within time and cost constraints.
- Design, develop and modify software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design.
- Store, retrieve, and manipulate data for analysis of system capabilities and requirements.
- Consult with customers about software system design and maintenance.
- Supervise the work of programmers, technologists and technicians and other engineering and scientific personnel.
- Coordinate software system installation and monitor equipment functioning to ensure specifications are met.
- Determine system performance standards.
- Train users to use new or modified equipment.
- Analyze information to determine, recommend, and plan computer specifications and layouts, and peripheral equipment modifications.

FULL SOLUTIONS S.A., Rosario, Santa Fe

*Senior System Analyst, Jun 2005 – Dec 2005*

- Expand or modify system to serve new purposes or improve work flow.
- Develop, document and revise system design procedures, test procedures, and quality standards.
- Consult with management to ensure agreement on system principles.
- Confer with clients regarding the nature of the information processing or computation needs a computer program is to address.
- Coordinate and link the computer systems within an organization to increase compatibility and so information can be shared.
- Determine computer software or hardware needed to set up or alter system.
- Supervise computer programmers or other systems analysts or serve as project leaders for particular systems projects.
- Assess the usefulness of pre-developed application packages and adapt them to a user environment.

- Analyze information processing or computation needs and plan and design computer systems, using techniques such as structured analysis, data modeling and information engineering.
- Define the goals of the system and devise flow charts and diagrams describing logical operational steps of programs.
- Use object-oriented programming languages, as well as client and server applications development processes and multimedia and Internet technology.
- Utilize the computer in the analysis and solution of business problems such as development of integrated production and inventory control and cost analysis systems.
- Interview or survey workers, observe job performance or perform the job to determine what information is processed and how it is processed.

### Neoris, Rosario, Santa Fe

*Software Architect, Mar 2000 – May 2005*

- Communicate with staff or clients to understand specific system requirements.
- Provide advice on project costs, design concepts, or design changes.
- Document design specifications, installation instructions, and other system-related information.
- Verify stability, interoperability, portability, security, or scalability of system architecture.
- Collaborate with engineers or software developers to select appropriate design solutions or ensure the compatibility of system components.
- Evaluate current or emerging technologies to consider factors such as cost, portability, compatibility, or usability.
- Provide technical guidance or support for the development or troubleshooting of systems.
- Identify system data, hardware, or software components required to meet user needs.
- Provide guidelines for implementing secure systems to customers or installation teams.
- Direct the analysis, development, and operation of complete computer systems.
- Investigate system component suitability for specified purposes and make recommendations regarding component use.
- Develop or approve project plans, schedules, or budgets.
- Define and analyze objectives, scope, issues, or organizational impact of information systems.
- Develop system engineering, software engineering, system integration, or distributed system architectures.
- Establish functional or system standards to ensure operational requirements, quality requirements, and design constraints are addressed.
- Evaluate existing systems to determine effectiveness and suggest changes to meet organizational requirements.
- Communicate project information through presentations, technical reports or white papers.
- Develop application-specific software.
- Develop efficient and effective system controllers.

### KIT INGENIERÍA ELECTRÓNICA S.R.L., Rosario, Santa Fe

*Software Developer, Dec 1995 – Feb 2000*

- Correct errors by making appropriate changes and rechecking the program to ensure that the desired results are produced.
- Conduct trial runs of programs and software applications to be sure they will produce the desired information and that the instructions are correct.

- Write, update, and maintain computer programs or software packages to handle specific jobs such as tracking inventory, storing or retrieving data, or controlling other equipment.
- Write, analyze, review, and rewrite programs, using workflow chart and diagram, and applying knowledge of computer capabilities, subject matter, and symbolic logic.
- Perform or direct revision, repair, or expansion of existing programs to increase operating efficiency or adapt to new requirements.
- Consult with managerial, engineering, and technical personnel to clarify program intent, identify problems, and suggest changes.
- Perform systems analysis and programming tasks to maintain and control the use of computer systems software as a systems programmer.
- Compile and write documentation of program development and subsequent revisions, inserting comments in the coded instructions so others can understand the program.
- Prepare detailed workflow charts and diagrams that describe input, output, and logical operation, and convert them into a series of instructions coded in a computer language.
- Consult with and assist computer operators or system analysts to define and resolve problems in running computer programs.
- Assign, coordinate, and review work and activities of programming personnel.
- Train subordinates in programming and program coding.
- Collaborate with computer manufacturers and other users to develop new programming methods.

## **EDUCATION**

Universidad Tecnológica Nacional, Rosario, Santa Fe

*Analista Universitario de Sistemas, Feb 1995*

Colegio Nacional N° 1, Paraná, Entre Ríos

*High School Diploma, Dec 1989*

## **ADDITIONAL SKILLS**

- Data modeling and structure
- System analysis
- Systems architecture
- Component oriented architecture
- Service-oriented architecture
- Object Oriented Architecture
- Microsoft .Net C #
- Java
- PHP
- Javascript
- MVC
- Razor
- Bootstrap
- Angular
- Spring