



# Emilio Augusto Somoza Cruz

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## ● WORK EXPERIENCE

06/03/2024 – 06/09/2024 Panama, Panama

### INTERNSHIP - WEB DEVELOPER COPA AIRLINES

My main task consisted of developing a web system using HTML and CSS, along with the Bootstrap v5.3 framework for the application's design. PHP was the primary programming language, and MySQL (MariaDB) was the database management system. I implemented the MVC (Model-View-Controller) architecture pattern, following the recommendations of the "PHP: The Right Way" guide, which was key to applying good programming practices and ensuring an efficient and maintainable development process. The entire project was developed using the waterfall methodology in Software Engineering.

**Business or Sector** Transportation and storage | **Department** Commercial aviation. | **Website** [www.copaair.com](http://www.copaair.com)

01/01/2020 – 05/03/2024 Panama, Panama

### PROGRAMMER FREELANCER

My freelance path has focused on the execution of personal projects, highlighting the creation of websites and APIs, private clouds, and systems with high encryption standards to ensure secure communications. I am proficient in various programming languages such as Python, JavaScript, TypeScript, Java, and C++/C, with a specialization in web and backend development using frameworks like Express.js, Nest.js, Spring Boot, and Apache. My experience includes working with databases such as OracleSQL, MySQL, PostgreSQL, and Microsoft SQL Server. I possess advanced skills in project versioning using Git and GitHub, implementing them in both physical and cloud environments with Docker for containers and Kubernetes as an orchestrator. Additionally, I have basic knowledge of testing tools such as Selenium and Postman.

## ● EDUCATION AND TRAINING

01/01/2020 – CURRENT Panama, Panama

### BACHELOR IN SYSTEMS AND COMPUTING ENGINEERING. Universidad Tecnológica de Panamá (Technological University of Panama)

I am in the fifth and final year of the Systems and Computing Engineering program, where I have acquired and refined skills in programming and systems design, complemented by competencies in effective communication and teamwork. I have successfully completed all the coursework and am currently in the final phase of my graduation project, where I am documenting my professional experience to obtain my Engineering degree.

**Website** [utp.ac.pa](http://utp.ac.pa) |

**Field of study** Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs), Database and network design and administration, Software and applications development and analysis

**Final grade** 2.44 | **Level in EQF** EQF level 6 |

**Thesis** DEVELOPMENT OF AN INTEGRATED ATTENDANCE MANAGEMENT SYSTEM FOR THE COPA AIRLINES AERONAUTICAL TECHNICIANS ACADEMY

## ● LANGUAGE SKILLS

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Programing: pyhton, C++, PHP, HTML, JavaScript, Css, mysql | Database Design & Programming | Parse and RESTful backend APIs integration, JSON parsing | Javascript(Nodejs, ExpressJs) | GIT version control, Linux Command | Operative systems (Linux, MacOS, Windows) | Linux (Terminal Commands, Bash/Shell) | Microsoft Office