✉ nelson@datapolaris.com

📍 Stanley, Falkland Islands

📞 (500) 55733

in /in/nhcasanova

EDUCATION

Bachelor of Science in Computing

Arden University,
United Kingdom,
(2024)

LANGUAGES

English
Bilingual Proficiency

Spanish
Native

INTERESTS

🏊 Travelling

🧗 Hiking

🍖 BBQ

STACK

Ruby   C#   JS JS

Ruby on Rails

.NET MVC   Node.js

Windows Forms

PostgreSQL

SQL Server   Redis

Vite

Tailwind   Bootstrap

Dokku   Docker

AWS   Ubuntu Server

Netdata   CloudFlare

Nelson Hernandez Casanova

Software Architect

Dedicated software developer with 10 years of experience building and maintaining complex software implementations for a variety of departments within the Falkland Islands Government. I am proud of my work and the people I have helped over the years by deploying performant, innovative solutions that they love to work with. Aside from software development shops I have worked in a variety of environments with different teams from mountain lodges in the middle of Patagonia to Customs & Excise controls boarding tanker vessels in the South Atlantic, all valuable experiences that have taught me a range of transferable skills I apply on my day to day to enhance what I can offer to my workplace.

🖥 WORK EXPERIENCE

Software Architect

Falkland Islands Government

2021 - Present   *Stanley, Falkland Islands*

- Led development and maintenance of critical government software infrastructure, including: Pension Payment Control System (Windows Forms) for Pensions department, Flight Booking System (Ruby on Rails) for Falkland Island Government Air Service, Australis Border Control System (Rails & Windows Forms) for Customs & Immigration (2021).

- Designed and developed internal APIs to facilitate inter-department data collaboration.

- Orchestrated database design and sanitisation across multiple RDBMS, including SQL Server (2000-2014) and PostgreSQL (14 onwards).

- Selected, evaluated, and deployed third-party software products to improve workflows within the organisation.

- Provided support for external teams and liaised with multiple stakeholders to coordinate the delivery of specialised services such as Penetration Testing and database replication and backups.

Customs & Immigration Officer

Falkland Islands Government

December 2018 - 2021   *Stanley, Falkland Islands*

- Assessed and processed Temporary Residence Permit and Visa applications, gaining deep insights into immigration processes and user needs.

- Collaborated with a multi-disciplinary team on border control, anti-smuggling operations, and strategic customs searches, developing a comprehensive understanding of complex governmental operations.

- Identified critical shortcomings in existing software systems based on firsthand operational experience.

- Leveraged this unique perspective to contribute to the development and implementation of a new multi-part software solution, now used across five government departments for immigration control.

Database Engineer

Synergy Information Systems

2014 - March 2018   *Stanley, Falkland Islands*

Initiated software development career maintaining databases and software infrastructure for the Falkland Islands Government through a local outsourcing company. Collaborated closely with government agencies to support and enhance critical national infrastructure, laying the foundation for a deep understanding of public sector IT needs.

🌱 TRAINING & COURSES

- **C# Programming with .NET 6**
  London, UK, May 2024

- **UK Home Office - Security Through Collaboration Conference**
  Miami, USA. February 2023

- **Bogota Bootcamp - Ruby on Rails**
  Bogota, Colombia. August/October 2018