

# Sebastian R. Papanikolaou-Costa

## SOFTWARE DEVELOPER

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🌐 @sebastian-papanikolaou

## EDUCATION HISTORY

### BACHELOR'S DEGREE IN SCIENCE July 2021

Ana G. Méndez University

- Major: Computer Science
- Related Coursework: Took higher level mathematics (Calculus 3) and courses in biology/bioinformatics.

## SKILLS

### Programming Languages

- Professional: PERL, SQL, C#, Python, JavaScript, Powershell, and Bash.
- Academic: C++, Java, Rust, COBOL

### Web API Development

- ASP.NET Core Web API (C#)
- Fast Api, Flask (Python)

### Data Management

- SQL Server
- Entity Framework Core
- Sql Alchemy

### Web Development

- HTML,CSS,CSHTML,JS, React JS, .NET
- XML, JSON

### Tools and IDEs

- Komodo IDE
- Visual Studio 2022
- SQL Server Management Studio
- Visual Studio Code
- Data Grip
- PyCharm
- WebStorm
- Postman
- Gitlab
- Github

## WORK EXPERIENCE

### PROGRAMMER II

#### Clearblue Insurance Group, LLC August 2022 - Present

- Manage the ETL process for the premium and claims data of various insurance programs.
- Generate extensive reports using Microsoft Excel and Microsoft SQL Server that are used by other departments in the company.
- Perform analyses on data to ensure its integrity upon and after database insertion.
- Manage, maintain, and update several thousand lines of PERL code to ensure that the ETL process is executed smoothly.
- Optimization of key ETL processes for faster execution of ETL code.
- Interfacing and communicating with insurance program liaisons over any data issues, as well as following up.
- Collaborate with other IT teams to ensure that the reports we generate are correct according to the company's line of business. As well as any other projects where the programmer's data may be used.

### SOFTWARE DEVELOPER

#### Consilience Analytics, LLC. August 2021 - July 2022

- Write and maintain company software using ASP.NET Core Web API technology with SQL Server, thus providing business solutions in an AGILE environment.
- Provided IT assistance on a fleet of windows machines that are used remotely for intense company operations.
- Performed basic data scientific operations on company data such as drone flight analysis by using Python/Jupyter and extracting the EXIF data of pictures (JPEG or .PNG) for proper analyses.
- Prepared API endpoints to aid efforts in other company projects, providing crucial help to team members' tasks.
- Worked with developers across international waters to structure company software development via implementing and using project management platforms such as Gitlab and Asana.
- Tested company API endpoints via Postman Collections feature, ensuring that endpoints would behave as expected and projects dependent on those endpoints would continue to work.
- Prepared a basic reporting structure for company executives based on real-time data in the company database, thus providing corporate executives with the data they needed to conduct the operations.
- To decouple the business's core API from MVC-unrelated operations such as common background processes, prepared a set of microservices using Docker in conjunction with Python and .NET projects, to port over the background processes conducted in the core API, therefore lessening the overall load of the core API.