Héctor Colón Morales

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PROFESSIONAL SUMMARY

Dynamic and results-driven Software Engineer and Associate Data Engineer with over 5 years of experience in designing, developing, and scaling software and data solutions across Front-End, Back-End, and Cloud environments. Demonstrated expertise in Python, AWS, Angular, and Microsoft SQL Server, with proven ability to architect and optimize applications and automated data workflows. Skilled in ETL automation using Python and Stonebranch, with foundational experience in SSIS for managing and cloning existing jobs.

EDUCATION

Bachelor of Science, Computer Engineering　　　　　　　　　　　　　　　　　Aug 2012 - Jun 2018

Polytechnic University of Puerto Rico, San Juan, PR

EXPERIENCE

Associate Data Engineer　　　　　　　　　　　　　　　　　　　　　　　　Ago 2025 - Present

Abarca Health LLC, Remote

- Designed and maintained fully automated, self-service data workflows using Python and Stonebranch, removing all routine manual intervention by the team.
- Developed SQL queries, and scripts to support reporting, analytics, and business intelligence initiatives.
- Collaborated with cross-functional teams to manage and validate PBM data, including benefits, patient, and prior authorization datasets.
- Ensured data accuracy, compliance, and consistency across healthcare systems and internal applications. Identified and implemented process improvements to enhance data quality, scalability, and system reliability.
- Supported ongoing performance monitoring, troubleshooting, and participated in on-call rotations to ensure continuous data pipeline availability and timely incident resolution.

Software Developer II　　　　　　　　　　　　　　　　　　　　　　　　Dec 2023 - Ago 2025

Vantor, Remote

- Proactively led code reviews, design discussions, as well as team meetings so as to foster a collaborative, high-performing environment, strengthening team engagement in addition to driving continuous improvement.
- Collaborated with cross-functional teams to diagnose and resolve complex technical issues, ensuring optimal application performance, reliability, and efficiency.
- Rigorously conducted testing and debugging for ensuring the timely, high-quality project delivery, with an important focus upon accuracy and alignment to project specifications.
- Regularly rotated among team members so as to monitor the system bi-weekly. It involved proactively recognizing areas fit for enhancement, plus reducing possible dangers, as well as optimizing workflow performance.
- Oversaw junior developers via code review guidance, partaking in pair programming, and support on typical workflow parts, error solutions, plus methods for refined team ability and project results.

Software Developer I　　　　　　　　　　　　　　　　　　　　　　　　Dec 2022 - Dec 2023

Vantor, Remote

- Integrated as well as developed RESTful APIs so as to streamline communication between systems, thereby considerably improving overall application efficiency and performance.
- Performed routine code checks and helped continuous integration and deployment (CI/CD) workflows, guaranteeing code quality, reliability, and smooth deployment of applications.
- A serverless architecture using AWS Lambda was implemented. This architecture was used to efficiently process over 44,000 data entries through ETL.

Front-End Team Lead

NeoDeck Holdings Corp., Ponce, PR

- Led a team of 6 developers to achieve 100% on-time delivery of over 10 key features, resulting in a 20% increase in team productivity.
- Reduced bug occurrences by 40% through the implementation of a release candidate process, enabling clients to review new features without interrupting the regular development workflow, ensuring smoother and more reliable deployments.
- Mentored and coached team members, enhancing their technical skills and fostering a culture of continuous learning, leading to boosted team performance and development.
- Monitored the pods in a cluster of Kubernetes using Lens IDE, and utilized the pre-implemented Docker templates within YAML files to create and manage modules in a microservices-based project.

Front-End Developer Oct 2019 - Jan 2022

NeoDeck Holdings Corp., Ponce, PR.

- Developed interactive web applications using Angular, HTML, CSS, and TypeScript, significantly enhancing user experience across various company projects.
- Implemented best practices and coding standards to optimized efficiency and scalability of the front-end codebase.

SKILLS

Languages	SQL, Python, JavaScript, TypeScript, HTML5, CSS
Frameworks	Angular, Bootstrap, React
Databases	DynamoDB
Cloud	AWS (Lambda, SNS, SQS, S3, CloudWatch, API Gateways, IAM), Kubernetes & Docker (Basic)
Tools	Stonebranch, Git, Jenkins, Postman, PyCharm, Lens (Basic), Adobe XD
DevOps	CI/CD, Jenkins
Soft Skills	Team Collaboration, Problem Solving, Agile Methodologies, Team Leading

PROFESSIONAL CERTIFICATES

AWS Certified Cloud Practitioner *May 2023*   Amazon Web Services (AWS)

Certified in AWS services, cloud computing concepts, and best practices. Proficient in navigating AWS Management Console, understanding key AWS services, and defining architectural principles.

AWS Certified Developer - Associate *April 2024*   Amazon Web Services (AWS)

Certified AWS Developer proficient in designing, deploying, and debugging cloud-based applications using AWS services such as Lambda, API Gateway, SQS, SNS, S3, DynamoDB, and CloudWatch.