

## Contact

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## Top Skills

Project Governance  
Vulnerability Assessment  
Performance Engineering

## Languages

Spanish  
English  
Portuguese

# Vagner Machado

Software Engineer | Scalable banking services | Citi AI, Java, Spring Boot, OpenShift, Angular, Docker  
New York City Metropolitan Area

## Summary

Software Engineer at Citi with extensive experience in building scalable banking services. Proficient in designing high-performance software solutions across Java, Python, C++, JavaScript, SQL, MongoDB, and OpenShift. At Citi, I design and develop backend services supporting CitiPay partners and payment enablers, collaborating with global teams to ensure reliable, secure, and high-performance integrations. Highly motivated professional with a Bachelor's Degree in Computer Science from Queens College, contributing to all phases of software development from design and architecture to deployment and production support.

Algorithmic Toolbox course by UC San Diego Higher School of Economics

January 2020

Verify at [www.coursera.org/verify/LK6SPAKQHFTR](https://www.coursera.org/verify/LK6SPAKQHFTR)

EIT Digital - Security and Privacy for Big Data - Part 1

August 2020

Verify at [coursera.org/account/accomplishments/certificate/WX2WBKU4GMWC](https://coursera.org/account/accomplishments/certificate/WX2WBKU4GMWC)

EIT Digital - Security and Privacy for Big Data - Part 2

August 2020

Verify at [coursera.org/account/accomplishments/certificate/D9RC35DH8G4E](https://coursera.org/account/accomplishments/certificate/D9RC35DH8G4E)

Project Network - Advanced Relational Database and SQL

August 2020

Verify at [coursera.org/account/accomplishments/certificate/M7YG5XD2CX42](https://coursera.org/account/accomplishments/certificate/M7YG5XD2CX42)

Project Network - Data Visualization with Python

August 2020

Verify at [coursera.org/account/accomplishments/verify/6ZKWRLTQVDWS](https://coursera.org/account/accomplishments/verify/6ZKWRLTQVDWS)

IBM Python for Data Science and AI

September 2020

Verify at [coursera.org/account/accomplishments/certificate/NE2QKGUZVL4M](https://coursera.org/account/accomplishments/certificate/NE2QKGUZVL4M)

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[badges/61ea0d17-6f64-43a0-8b85-09b2d2bfb45/public\\_url](https://youracclaim.com/badges/61ea0d17-6f64-43a0-8b85-09b2d2bfb45/public_url)

IBM Data Visualization with Python

September 2020

Verify at [coursera.org/account/accomplishments/certificate/GHPGFLJUFT9M](https://coursera.org/account/accomplishments/certificate/GHPGFLJUFT9M)

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[ceeb5f48-9ac4-4478-8d61-84160881f1d5/public\\_url](https://www.youracclaim.com/badges/ceeb5f48-9ac4-4478-8d61-84160881f1d5/public_url)

IBM Data Analysis with Python

September 2020

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[badges/77f57d69-6472-4346-8be3-c3e317d3f37a/public\\_url](https://www.youracclaim.com/badges/77f57d69-6472-4346-8be3-c3e317d3f37a/public_url)

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## Experience

Citi

Software Engineer

November 2021 - Present (4 years 3 months)

New York, United States

Senior Analyst / Software Engineer — CRS and CitiPay

As a Senior Analyst and Software Engineer at Citi, I play a key role in the ongoing evolution of CitiPay, driving technical innovation, cross-team collaboration, and reliable partner integrations.

- Develop and maintain scalable backend services supporting several major retail partners and payment enablers, including Home Depot, Dillard's, ChargeAfter, and FreedomPay.

- Collaborate with business stakeholders to gather and refine requirements, conduct backlog grooming, and define actionable development plans.
- Lead development efforts across a multi-city, cross-functional global team, ensuring alignment, timely delivery, and code quality.
- Serve as Subject Matter Expert (SME) for production applications, responsible for security updates, system enhancements, performance monitoring, and quality control.
- Contribute to the architecture and reliability of service integrations, ensuring compliance, scalability, and seamless partner experiences.

## Nassau Community College

### Technical Assistant

September 2017 - Present (8 years 5 months)

Garden City, NY

Technologist — Computer Science Department

As a Technologist in the Computer Science Department, I support the department's academic and research initiatives by maintaining and improving computing infrastructure, while mentoring students in software development and programming best practices.

- Enhanced and maintained the department's computing infrastructure to meet the growing demands of advanced coursework and research.
- Assisted students in programming labs and project development across multiple languages and frameworks. Provided in-depth debugging guidance, code optimization techniques, and software design insights to improve program logic, performance, and maintainability.
- Collaborated with faculty to ensure lab resources supported evolving curricular and computational requirements.

## Self Employed

### Real Estate Development Manager

January 2006 - December 2021 (16 years)

Nantucket, MA - Long Island, NY

## Project Manager — Residential Construction

As a Project Manager, I oversaw the construction and improvement of several multimillion-dollar residential estates, managing all phases of development and ensuring projects met the highest standards of quality and client satisfaction.

- Oversaw all phases of development—from planning and budgeting to execution and quality control.
- Responsible for preparing detailed project specifications, designing and negotiating contracts, soliciting and evaluating bids, approving subcontracts, and ensuring timely, high-quality delivery of all building services.
- Worked closely with clients at every stage to ensure satisfaction, transparency, and alignment with their vision.

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## Education

### Queens College

Bachelor's Degree, Computer Science · (2017 - December 2020)

### Nassau Community College

Associate of Science (A.S.), Computer Science · (2014 - 2017)