

Bryan Joseph Clark

Software Engineer

clark.bryan.joseph90@gmail.com

<https://www.linkedin.com/in/bryan-c-77a552ab/>

Experienced software engineer specializing in data scraping, automation, and full-stack web development. Skilled in designing multilingual websites, automation tools, and collaborating with partners to define and implement features. Currently leading software development efforts in the Advanced Analytics program at Citibank, focusing on enhancing data-driven solutions and security applications.

Skills

Programming Languages: Python, Java, JavaScript, Kotlin, SQL, XML, JSON, HTML, CSS, Regex

Frameworks & Libraries: React (familiarity), Angular (familiarity), Spring Boot, Hibernate, Selenium, Beautiful Soup

DevOps & Cloud: Git, Jenkins, CI/CD pipelines, Azure (SharePoint APIs), AWS (familiarity)

Databases & Search: Oracle SQL, MySQL, ElasticSearch (exposure), Structured Data Extraction

Other Skills: REST API development, Automation, Data Analytics, Web Scraping, Project Management

EXPERIENCE

Software Engineer @ Citibank (AVP)

January 2025 - Present

- Implemented an automated feed to PhishLabs that monitors newly registered domains and subdomains daily, flags illegitimate sites for takedown or monitoring, and delivers monthly tracking reports to support threat intelligence efforts.
- Built and integrated REST APIs to automate reporting workflows, streamlining data access across multiple teams.
- Developed multilingual automation and front-end search tools (English/Spanish), reducing manual effort and improving user experience.
- Developed and deployed custom data scrapers leveraging APIs and BeanShell, improving data retrieval speed and efficiency.
- Engineered JavaScript/CSS browser extensions to bypass paywalls on websites.

Software Engineer @ Citibank (Officer)

January 2022 - 2025

- Designed and implemented web scrapers using proprietary software and Regex to extract structured data from online sources.
- Built a multilingual search automation tool that runs predefined adverse search term queries in English and Spanish, reducing manual effort.
- Created training videos, documentation, and exercises to enhance program effectiveness.
- Partnered with vendors to define key requirements and led the development of new features in proprietary software.
- Conducted code design and review for all products released within the Advanced Analytics program since 2022.
- Developed a Python-based Chromium driver with Selenium to detect and log malicious advertising sites from Google searches.
- Designed a Python-based Selenium web scraper to extract data and save structured outputs into Excel.
- Built a vendor resource repository in SharePoint, using custom JSON for improved formatting and content organization.

Mobile App Intern @ U.S. Embassy - Tokyo Japan

2021 - 2022

- Built an **Android mobile application** in Kotlin, delivering a mobile-friendly version of the EducationUSA Tokyo Embassy website.
- Used **web scraping and API integration** to streamline access to U.S. foreign exchange opportunities for students.

Petty Officer 2nd Class (Surface Warfare Specialist) @ United States Navy

2009 - 2016

- Served with the Ceremonial Guard in Washington D.C., USNS William McLean, USS McCampbell (DDG 85), and USS Shiloh (CG-67).
- Managed classified tactical data systems, optimizing database performance for mission-critical operations.
- Coordinated air and surface tactical operations as an Anti-Surface/Subsurface Tactical Air Coordinator.
- Maintained and secured military databases, ensuring system integrity and operational readiness.
- Achieved 3 critical certification/qualifications in Tactical Data Links, Command and Control Systems, and Helicopter Air Traffic Control.
- Redesigned USS McCampbell's (DDG 85) Operations department's training program resulting in acknowledgement from the Commanding Officer to include a Navy-Marine Core Achievement Medal.

EDUCATION

Villanova University | Masters of Software Engineering 2022 - 2026 (Expected)

- GPA: 3.98

Villanova University | Bachelor of Science in Information Systems 2019 - 2021

- GPA: 3.32
- Member, Japanese Language & Cultural Studies
- Member, Villanova Veterans Club

Montgomery County Community College | Associate of Science in Computer Science 2016 - 2019

- GPA: 3.01
- Member, Montco Veterans Club