# Patrick Clarke
# Fullstack Website Developer and Software Engineer

**Github:** iipajcii    **Portfolio:** www.patrickclarke.me

## 🗂 EXPERIENCE

**ZS | Medullan Inc - Software Engineer (Jun, 2022 → Current)**
- Working in a consulting environment that serves global clients.
- Working in an Agile environment (mainly using SCRUM) with teams across countries and organizations to develop software, such as "Software as a Medical Device" (SaMD), SMART on FHIR applications, and gene visualization software.I've taken on different roles based on the project; serving as a contributing developer in some and assuming the lead developer role in others.
- Collaborating with scientific experts for guidance when creating solutions in areas such as patient record management and gene analysis
- Working with Github, Gitlab, and the Atlassan Software Suite for Software Development, Project Management and Collaboration

**Jamart Marketplace Limited - Director (2022 → Current)**
- Developed an ecommerce marketplace for Jamaicans that provides online payment, product delivery, multi-store management, advertising and messaging functionality. Website: www.shopjamart.com
- Assumed sole responsibility for the initial design, development, and maintenance of the company's ecommerce web application, with a commitment to continuously improve the platform, and safely integrate new features.
- Integrated the First Atlantic Commerce Payment Gateway (Powertranz) to process Debit and Credit Cards
- Utilized cloud computing and cloud storage via Digital Ocean, Backblaze, and AWS.
- Provisioning infrastructure using Infrastructure-as-Code tools such as Terraform and Cloud-init
- Integrated the Twilio API to send SMS Text Messages to sellers and shoppers
- Integrated an exchange rate API, as well as implementing my own APIs to integrate with Jamaica Post and NCB services.
- Management and configuration of Domain, SSL Certificates, HTTP Server Hosting, and DNS Records
- Created HTML emails, configured SMTP server to send emails to users, and setup email inboxes for members of the company
- Integrated Lynk Merchant Wallet to allow customers to pay with Lynk at checkout
- Securing application and infrastructure using security best practices

**"Long Story Short..." - (Client) (Dec, 2021 → Jan, 2022)**
- Created a Wordpress website of the recurring Jamaican Story Telling event "Long Story Short…"

**Rockstone Tours (Client) (2020 → 2021)**
- Created a Laravel website where customers could choose from tour packages of Jamaican tourist locations.

**St Mary High School (Client) (2018 → AUG, 2019)**
- Developed and hosted a Web Application that allowed staff to create articles, upload files for students, with a built-in moderation system to control content on the site.

## 🎓 EDUCATION

**University of Technology, Jamaica (Aug, 2018 → Sept, 2022)**
- BSc. in Computing, Major in Computer Science
- Worked on projects which involved the use of programming languages such as: Java, C++, Python, Prolog, SQL and Web Languages (HTML, CSS, JavaScript, PHP)
- Played a crucial role in getting assignments and software projects completed for my group before deadlines; while assisting other groups in their projects.
- Worked with group members to assign tasks, taking into account the strengths of each person.
- Worked on a Shuttle Bus System for Major Project, which had separate Driver and Student Mobile Apps, and a Web Application that served as an administrator portal.
- Occasionally participated in Sapna, a university organization of student software developers.

**St Mary High School (Jul, 2018)**
- Eight CSEC subjects and Six CAPE subjects
- Started learning to program in C++, HTML, CSS, JavaScript, PHP in Personal Time
- Started creation of the web application for the school.

## 📊 SKILLS

**Soft Skills**
- ❖ Problem Solving
- ❖ Oral, Written, and Visual Communication
- ❖ Team Player & Leader
- ❖ Listening and Understanding client needs
- ❖ Accepting Constructive Criticism
- ❖ Skilled in Creating and Presenting Slideshows
- ❖ Critical Thinking

**Database Management**
- ❖ MongoDB
- ❖ MySQL

**Web Development**
- ❖ Laravel (PHP Framework)
- ❖ Wordpress (PHP CMS)
- ❖ HTML5
- ❖ CSS3
- ❖ JavaScript
- ❖ Webpack
- ❖ Node.js
- ❖ Vue.js
- ❖ Typescript

**Version Control and Collaboration**
- ❖ Git Repositories (GitHub, Bitbucket, Gitlab)
- ❖ Git

**Infrastructure and Deployment**
- ❖ Apache Web Server
- ❖ Linux
- ❖ Terraform
- ❖ Docker

**Other Programming Languages**
- ❖ Python
- ❖ C and C++
- ❖ Java

Details of how I used the above skills in projects can be found on my portfolio website.