

# MARYLENE SAWYER

Software Developer

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## Contact

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## About

Skilled Software Developer with expertise in full-stack development using JavaScript, Ruby, and Python. Experienced in creating responsive web applications and optimizing user interfaces. Proficient in cloud infrastructure and CI/CD automation with AWS. Committed to delivering high-quality software solutions in agile environments.

## Links

**Portfolio website**  
portfolio.appwork.co.za

## Skills

Project Leadership · Agile Web Development · Collaboration · QA Engineering and Testing · Web Content Optimization

## Work Experience

### Founder & Software Developer

May 2025 - Present

AppWork | topweaverdesigns · Remote | Cape Town, South Africa

- Founded an independent software development platform focused on delivering clean, scalable digital solutions.
- Building a portfolio of full-stack web applications using Next.js, React, Node.js, and AWS.
- Designing and deploying cloud-native architectures with Docker, CI/CD pipelines, and AWS services.
- Overseeing branding, business setup, and client outreach for freelance and contract work.
- Prioritizing thoughtful design, maintainability, and long-term scalability in all projects.
- Expanding capabilities to include e-commerce solutions with Shopify — including theme customization, app development, and storefront integrations.
- Exploring mobile-first and cross-platform frameworks such as React Native and Flutter.
- Secured domain (appwork.co.za) and currently developing the platform website and portfolio.
- Showcasing previous work and CV at portfolio.appwork.co.za.

### Software Engineer

Jun 2022 - May 2023

WeTheTrillions · Remote

- Developed and maintained software applications as a full-stack engineer using JavaScript, MongoDB, PostgreSQL, React, Next.js, and Node.js.
- Led the migration of the online payments system from Stripe to Chargebee, improving the company's subscription management and payment processes.
- Managed AWS CI/CD pipelines to automate deployments, ensuring efficient and reliable releases.
- Created comprehensive technical documentation, including a site using Docusaurus, to support internal and external users.
- Conducted code reviews and testing in JavaScript and Node.js, fostering collaboration and best practices across the team.

## Languages and Frameworks-

: CSS · HTML · TypeScript · Javascript · Ruby · GraphQL · Python

**Front-End:** Next.js · SEO · UX Design · Angular · React

**Back-End:** Prisma · Django · Flask · PostgreSQL · SQL · MongoDB · Node.js · Ruby on Rails

**Cloud & DevOps:** DNS Hosting · Kubernetes · CI/CD · Docker · AWS

**Tools:** Slack · AI · Trello · Github · CMS · Git

**Integration Software:** Braintree · Google API · OpenAI · PayFast · Chargebee · Stripe

## Code Reviewer

Jan 2022 - Jun 2022

CoGrammar/HyperionDev · Remote

- Conducted in-depth code reviews for developers working with various web development stacks, ensuring adherence to industry standards and best practices.
- Provided constructive feedback to improve code quality and performance, helping junior developers elevate their skills.
- Collaborated with development teams to resolve coding issues and optimize workflows.

## Junior Software Engineer

Jul 2016 - Dec 2017

A24Group · Cape Town, South Africa

- Built and maintained software applications in JavaScript, MongoDB, and Node.js while working as a backend engineer.
- Created documentation for the company's RESTful APIs using Swagger tools.
- Developed industry-standard skills in communication, collaboration, and using Git and GitHub for version control.
- Tested and reviewed code in JavaScript, Node.js, and PHP for the other engineers in the development team.
- Developed and maintained a reusable components library.

## Receptionist

Jan 2011 - Jun 2025

Varietas Residence, University of Cape Town · Cape Town, South Africa

- Gained transferable skills, including communication skills and organizational skills, while working with students and staff to ensure ease of access to utilities.
- Developed skills in leadership and time management as a result of working in this role.

## Projects

### QualityFinds4U

[www.qualityfinds4u.co.za/](http://www.qualityfinds4u.co.za/) · Ecommerce Web App

- Designed and developed a responsive e-commerce site prototype, ensuring a seamless user experience across devices.
- Built and maintained a full-stack application using JavaScript, MongoDB, React, React Context, Next.js, and Node.js.
- Leveraged AWS and Docker for hosting, optimizing the site's performance and scalability.
- Integrated PayFast to enable secure payment transactions, enhancing the user experience and improving business operations.

- Effectively communicated technical requirements and progress to non-technical stakeholders, ensuring clarity and alignment.

### **BotBuddy**

[discord.com/oauth2/authorize?client\\_id=1296658070159753377](https://discord.com/oauth2/authorize?client_id=1296658070159753377) •

Discord Bot

- Spearheaded the development and implementation of BotBuddy, a versatile automation bot for Discord, utilizing Python, Discord.py, and the OpenAI API to enhance user interaction and automate tasks.
- Facilitated seamless bot setup for developers, enabling tailored task automation within specific environments.
- Integrated efficient command structures for straightforward user interaction.
- Configured environment variables to ensure smooth access to essential settings.
- Leveraged OpenAI's ChatGPT API for intelligent response generation and enriched user interactions.
- Developed a system for storing conversation history to maintain context and personalize exchanges.
- Ensured persistent storage of all conversation data in a secure database.
- Implemented features like welcome messages, inspirational quotes, and celebratory notifications to foster a friendly and engaging server atmosphere.
- Added a 'Buy Me a Coffee' feature to support community engagement and creator appreciation.
- Enabled task and recurring reminders to aid in effective time management and organization.
- Created simple commands like /ping to enhance user experience.

## **Education**

### **Microverse | Program**

Full-Stack Software Engineering · Graduation: Feb 2021

Completed 1300+ hours mastering algorithms, data structures, and full-stack development with a focus on Ruby on Rails, Node.js and React.

- Gained extensive experience in remote pair programming, using GitHub, Git-Flow, and agile development practices to collaborate with a global team.

### **University of the People | Bachelor of Science (BS)**

Computer Science · Graduation: Apr 2019

**Project codeX** | Non-Degree Program (e.g. Certificate)

Web Development · Graduation: Jun 2016

I received training as a full-stack engineer, where I gained proficiency in Node.js, MySQL, HTML, and CSS. During this training, I developed skills in Test Driven Development and Agile best practices. I also became adept at version control using Git and GitHub, following industry-standard git-flow. Additionally, I practiced effective communication and teamwork through daily stand-ups and weekly retrospectives.

**University of Cape Town** | Bachelor of Science (BS)

Computer Science and Mathematics

Incomplete (2009–2011)