

Patrice Maxwell

Atlanta, Ga | [Email](#) | [LinkedIn](#) | [Github](#)

PROFESSIONAL SUMMARY:

Software Engineer focused on cloud-native systems, payment infrastructure, and AI-assisted software development. Experienced designing distributed services, backend APIs, and engineering workflows using TypeScript, Python, Docker, and modern cloud tooling. Currently contributing to payment platform architecture at Nymbus while pursuing a Master of Science in Computer Science at Georgia Tech. Passionate about building reliable systems, documenting engineering decisions, and continuously learning through real-world projects.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (Node.js), Python, SQL, Java

Frontend: React, HTML5, CSS3, Next.js

Backend: Node.js, Express, REST APIs, Microservices

DevOps & Infrastructure: Git CI/CD, Docker, CI/CD, Linux/Unix Shell, Google Cloud Platform

Databases & Caching: Redis, PostgreSQL, MongoDB (Mongoose), MySQL, Zoho DB

Architecture & Systems: Cloud Architecture, Distributed Systems, Payment Systems, API Design, System Design, ISO 8583

AI Engineering: AI-Assisted SDLC, Prompt Engineering, Vector Search, LLM Workflows

PROJECTS

RiceFlix 2.0 | Full Stack Engineer

Personal Project | December 2025

- Re-architected a Netflix-style streaming platform into a full-stack system with a TypeScript (strict mode) Backend-for-Frontend (BFF) built on Node.js.
- Designed secure, scalable API endpoints that proxy and normalize TMDb data, improving maintainability, security, and control over client-server interactions.
- Implemented Redis caching at the API layer to reduce external API calls and improve response latency.
- Implemented AI-powered vector search to enhance content discovery beyond exact keyword matching, improving search relevance and user experience.
- Applied repository pattern with Mongoose to enforce clean data access boundaries and improve long-term extensibility of the MongoDB schema.
- Containerized backend services with Docker and implemented CI/CD workflows to enable reliable, automated deployments.
- Built a responsive React frontend that consumes the BFF, supporting features such as browsing, trailers, genre filtering, and advanced search.

Empowerment Resource Center | Full Stack / Automation Engineer

Contract | November 2022 - November 2023

- Engineered an automated data ingestion pipeline to replace manual paper-based tracking, utilizing a custom Google Forms integration that synced real-time field screening data directly to a Zoho CRM database.
- Developed Python-based ETL (Extract, Transform, Load) scripts to process raw clinical data into audit-ready Excel reports, ensuring 100% compliance with government regulatory standards for quarterly budget requests.
- Architected a notification system using automated triggers to manage patient follow-ups and outreach reminders, significantly increasing the reliability of the organization's engagement lifecycle.
- Optimized operational efficiency by eliminating manual data entry bottlenecks, allowing the outreach team to focus on high-risk field screenings while maintaining high data integrity for sensitive health information.

- Validated data integrity and implemented error-handling mechanisms to ensure accuracy and regulatory compliance.

WORK EXPERIENCE

Nymbus | Software Engineer | Atlanta, GA | August 2022 - November 2025

- Contribute to the architecture and development of a cloud-native payment platform supporting modern banking infrastructure.
- Design and implement payment processing components and integrations within a distributed microservices ecosystem.
- Produce architecture documentation, technical implementation plans, and engineering specifications for new platform capabilities.
- Collaborate with cross-functional engineering teams using AI-assisted development workflows, GitLab CI/CD, Docker, and Kubernetes.
- Participate in architecture reviews focused on scalability, security, maintainability, and operational reliability.
- Apply AI-first engineering practices to accelerate software delivery while maintaining high standards for code quality and documentation.

Ray's in the City| Bartender | Atlanta, GA | August 2022 - November 2025

- Managed inventory and high-volume operations, increasing sales by 20% and reducing waste by 15% through optimized ordering processes.

Warner Media, NBA | System Engineer| Atlanta, GA September 2019 - December 2020

- Maintained scalable media streaming and broadcasting systems supporting NBA content delivery, ensuring 99.9% uptime during live events.
- Implemented automation scripts and monitoring tools to optimize server performance and reduce operational bottlenecks by 4%.
- Collaborated with cross-functional teams, including network engineers, developers, and broadcast operators, to integrate backend systems with live event workflows.
- Managed system security, patching, and disaster recovery protocols to ensure compliance with corporate and industry standards.

Google Inc | IT, Intern | Atlanta, GA May 2018 - August 2020

- Provided Tier 1 technical support for Google employees, troubleshooting hardware, software, and network issues to ensure seamless daily operations.
- Collaborated with cross-functional IT teams to resolve escalated tickets, contributing to faster response times and improved end-user satisfaction.
- Assisted in the deployment and maintenance of workstations, laptops, and mobile devices, adhering to IT security and configuration standards.
- Recognized in Google's National Intern Day feature for impactful contributions to IT support operations during the internship ([Featurette](#)).

Encompass Digital Media , NFL | Master Control Operator | Atlanta, GA January 2018 - June 2019

- Maintained 100% broadcast signal integrity by performing real-time signal assessments and leveraging monitoring tools to preemptively troubleshoot and minimize service interruptions.
- Managed complex automation workflows for high-stakes NFL broadcasts, coordinating precise media synchronization and adapting to live schedule changes with zero disruption.

- Executed system upgrades and health checks on master control hardware and software to ensure operational reliability for national content delivery.

EDUCATION/CERTIFICATIONS

Georgia Institute of Technology | Computer Science | Masters of Science

January 2025 - present

Per Scholas | Software Engineering MERN Stack training

October 2025 - February 2026

Georgia State University | Computer Science | Bachelor of Science

August 2016 - December 2020

Certifications: PCAP Certified Associate Python Developer (2025), CSDA Certified Software Development Associate (2024).