

TAYON WILLIAMS

Innovative Software Engineer & Chemist | Solutions-Oriented Lifelong Learner

864-337-1201 | tayondw@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SKILLS

Languages & Frameworks: Rust, JavaScript, React, Tailwind, Axum, Diesel ORM, Python, TypeScript, Sequelize, Express.js, Node.js, SQL

API Development: REST APIs, Postman, API Testing, Documentation, WebSockets

Databases & Caching: PostgreSQL, SQLite, Redis, MongoDB, Database Design, Query Optimization

Security & Authentication: JWT, Argon2, OAuth, CSRF Protection, RBAC, Rate Limiting

Infrastructure: Docker, AWS S3 & EC2, Kubernetes, CI/CD, GitHub Actions, Microservices

EXPERIENCE

Technology and Community Engagement Manager | *BLAC PAC*, Remote

March 2025-Current

- Led teams of freelance developers and content writers, managing technical and creative operations.
- Led the creation of multiple market analysis whitepapers for use by a startup providing SaaS to construction companies.
- Generated detailed proposals, including cost estimates and technical specifications, to meet customers' database requirements.

Software Engineer (LLM Training Expert) | *Consultant for Outlier AI*, Remote

September 2024-Current

- Debugged and resolved issues related to model training and deployment, ensuring seamless operation and reducing downtime.
- Documented workflows and created technical guides to assist team members in understanding model functionalities.

Full-Stack Developer | *Tayon Enterprises*, Remote

September 2024-Current

- Redesigned interfaces with modern aesthetics, user-focused principles, and mobile responsiveness, boosting user satisfaction by 20%.
- Improved site visibility and rankings with keyword integration, metadata optimization, and performance enhancements.
- Designed React frontends that enabled staff to efficiently debug routing, latency, and GRE tunnels, improving troubleshooting speed.

PROJECTS

Rust Server Auth-Me

Live | [Repo](#)

- Developed high-performance authentication service in Rust leveraging Diesel ORM, connection pooling, and async/await patterns, achieving sub-100ms response times while handling concurrent user sessions with Redis caching and Postgres database optimization.
- Implemented multi-layered security architecture featuring Argon2 password hashing, JWT token rotation, CSRF protection, IP-based rate limiting, and comprehensive audit logging to meet enterprise security standards and prevent common attack vectors.
- Orchestrated full-stack deployment pipeline with Docker containerization, Kubernetes manifests, automated database migrations, health checks, and monitoring integration supporting horizontal scaling and zero-downtime deployments.

Men Cry Too

[Live](#) | [Repo](#)

- Designed a full-stack app where users can join groups, attend events, create a profile with issue-specific tags, and post sharing using full CRUD operations to ensure a perfect user experience.
- Incorporated AWS S3 for a seamless user experience (UX) of real-time communications of commenting and photo-sharing.
- Enhanced the application's efficiency, dynamism, and maintainability by 30% utilizing React Router DOM loaders and actions as a streamlined alternative to Redux.

Ravenhood

[Live](#) | [Repo](#)

- Coordinated project utilizing Kanban methodology within a team to effectively organize tasks, track progress, and ensure timely completion of all required features, resulting in a fully functional and optimized web application.
- Leveraged the yfinance API to import and seed real-time stock data allowing the construction of the entire site for user accounts.
- Developed a full-stack app with React/Redux frontend and Flask/SQLAlchemy backend for efficient data synchronization.

Oh, The Places We Will Grow!

[Live](#) | [Repo](#)

- Implemented custom user authentication utilizing BCrypt Hashing Function on the backend and React Auth Routes on the front end to prevent storing plain text passwords and restrict access to user-specific data and features.
- Initiated RESTful APIs to facilitate seamless communication between the client side and server side of the application.

EDUCATION

App Academy, Software Engineering

Online

- Graduated from a highly competitive program with a 3% acceptance rate, completing 1100+ hours of intensive coding.
- Mastered full-stack web development technologies, best practices (TDD and CI/CD), and scalable architecture design.

The University of Georgia, Bachelor of Science in Chemistry - Minor: Spanish

Athens, GA

AWARDS

Impact Award, Clarke County School District	May 2017
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PROFESSIONAL CERTIFICATIONS

Rust Fundamentals, Duke University, Credential ID: XJE6IJ1X98Y6	February 2025
Software Engineer, App Academy	September 2024
HTML and CSS in Depth, Meta, Credential ID: 6JENLZAPAHN6	November 2023
Version Control, Meta, Credential ID: MKR5PBQ97QNY	October 2023
Programming with JavaScript, Meta, Credential ID: 4CWFHCGDX4X6	October 2023
Introduction to Generative AI, Google, Credential ID: NGSL3CKYGJAT	October 2023

COMMUNITY INVOLVEMENT

RenderATL, Volunteer	June 2025
Atlanta Tech Week, Volunteer	June 2025
404 Day, Volunteer	April 2025
Google x Career Karma’s Black Genius Academy: A Tech Equity Collective, Member	October 2023-Current
UGA Alumni Association, Member	May 2017-Current
American Chemical Society, Member	August 2015–Current
Colgate-Palmolive Social Committee, Member	July 2018-August 2019