

# TAYON WILLIAMS

Innovative Software Engineer & Chemist | Solutions-Oriented Lifelong Learner

864-337-1201 | [tayondw@gmail.com](mailto: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.

**Web Developer** | *Ideamotive*, Remote

December 2024-Current

- Prepared reports, manuals and other documentation on the status, operation and maintenance of the code.
- Designed, developed, and unit tested applications in accordance with established standards.
- Implemented server integration and database development for a +1M users/monthly e-commerce platform.

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

September 2024-March 2025

- 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-March 2025

- 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 PlacesWe 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

<b>App Academy</b> , <i>Software Engineering</i>	<i>Online</i>
<ul style="list-style-type: none"><li>Graduated from a highly competitive program with a 3% acceptance rate, completing 1100+ hours of intensive coding.</li><li>Mastered full-stack web development technologies, best practices (TDD and CI/CD), and scalable architecture design.</li></ul>	
<b>The University of Georgia</b> , <i>Bachelor of Science in Chemistry - Minor: Spanish</i>	<i>Athens, GA</i>

AWARDS

<b>Impact Award</b> , <i>Clarke County School District</i>	<i>May 2017</i>
------------------------------------------------------------	-----------------

PROFESSIONAL CERTIFICATIONS

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

COMMUNITY INVOLVEMENT

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