Tajae Johnson

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Full Stack Developer | Software Engineer

Houston, Texas United States   in TajaeJohnson   ⌨ @vTajae   ⎇ vTajae

Experience

Instructional Specialist

2U Inc. - Full Stack Software Development Bootcamp

📅 November 2021 — present   📍 Remote

- Delivered comprehensive coursework on full-stack development, focusing on the MERN stack (MongoDB, Express.js, **React**.js, Node.js), resulting in an average 20% improvement in student assessments.
- Instructed on **RESTful API** development and integration, enabling students to build scalable backend systems; 90% of students successfully completed and deployed project capstones.
- Trained students in **Sequelize ORM** for relational databases and **Mongoose ORM** for **NoSQL** databases, boosting database management proficiency by 25%.
- Guided students in **Apollo GraphQL** API development, including **GraphQL** schemas, queries, mutations, and Apollo Client integration, with a 15% higher retention rate in complex project modules.
- Taught **Test-Driven Development** (TDD) using Jest and Cypress, emphasizing unit, integration, and end-to-end testing; test coverage in student projects increased by an average of 30%.
- Introduced **DevOps** practices by setting up CI/CD pipelines with **CircleCI** and **GitHub Actions**, automating testing and deployment, leading to a 40% reduction in deployment errors.

GPT Program Trainer - Contract

ADP Inc. - Full Stack Microservices Curriculum

📅 May 2023 — September 2023   📍 Hybrid

- Instructed on **Java Spring Boot** for API development, covering Repository CRUD methods, Service layers, Routing, and secure authentication using **JWT** and **Bcrypt**; 80% of interns demonstrated API deployment proficiency.
- Taught **Oracle SQL**, including **Stored Procedures**, Triggers, **Views**, and auditing mechanisms for data integrity, resulting in a 25% increase in database project accuracy.
- Guided students in full-stack development with **React**, Role-Based MVC, and **Microservices** architecture; 70% of interns were able to build microservice-based applications within their first project cycle.
- Educated students on the full development lifecycle using Maven and **Spring Boot**, focusing on production-ready applications with logging and auditing, leading to a 50% faster deployment turnaround.
- Mentored teams in Agile methodologies using **Jira**, facilitating sprint reviews and project audits; 85% of interns reported improved productivity and understanding of Agile practices.
- Developed students' soft skills, including communication, teamwork, and problem-solving; over 60% of interns received positive peer feedback on collaboration.
- Over 75% of interns were converted to full-time positions, showcasing the effectiveness of the foundational training and mentorship.

Full Stack Developer - Consultant

Freelance Developer - Custom Web Applications

📅 May 2020 — present   📍 Remote

- Developed full-stack applications using **Cloudflare SDK** and **Remix Run**, utilizing **Cloudflare D1** for database management and **Cloudflare KV**s for secure session storage, leading to a 30% reduction in client database access latency.

Tagline

Driven by passion, forged by perseverance. From a young boy abroad to a self-taught engineer with unmatched perseverance. My journey is proof that curiosity, resilience, and an unyielding pursuit of knowledge can overcome any challenge. A story shaped by diverse cultures, relentless determination, and the drive to uplift others through technology. Despite setbacks, I find strength in every trial and success in every challenge—a testament to passion meeting purpose.

Technical Expertise

TypeScript	██████████
Remix	██████████
Python	████████░░
Java	████████░░
Linux	███████░░░
Node.js	█████████░
Docker	████████░░
Rust	███░░░░░░░

Skills/Exposure

- FastAPI
- RESTful APIs
- Cloudflare SDK
- PostgreSQL
- MongoDB
- CI/CD Pipelines
- API Development
- Java Spring Boot
- GraphQL
- DevOps
- Material UI
- RAG
- React
- Azure
- AWS
- Next.js

Methodology/Approach

- Agile | Scrum | Retrospectve
- Test-Driven Development
- Microservices
- Model View Controller - MVC
- Modularization
- Defensive Programming
- UBAC | RBAC

Tools

• Git • Docker • Postman • CircleCI • GitHub Actions • Jira • Wrangler CLI • Powershell • Huggingface • Jest • Vite • NeoVim • Typst

Education

Texas Southern University
2018 - present   Houston, Texas
BA, MS in Computer Science

SANS Institute
2023 - present   Remote
Certifications in Cyber Security

- Managed **Cloudflare** Workers with Wrangler CLI, integrating loaders and actions for dynamic web applications, resulting in a 40% faster response time for client websites.
- Conducted API testing using Insomnia; developed robust APIs and microservices with **Python FastAPI**, enabling clients to reduce manual workload by 25% and improve service reliability.
- Implemented Retrieval Augmented Generation (RaG) using **LlamaIndex**, **Qdrant**, and Gemini API for AI-driven functionality, which increased user engagement by 20% on client platforms.
- Integrated **Amazon Textract** for data extraction from documents, automating data processing and reducing manual input efforts by 50%.
- Streamlined client workflows, such as course catalog with payment systems and onboarding systems, resulting in an average 15% increase in client revenue and a 20% reduction in operational overhead.

Achievements/Certifications

GIAC Certifications
Earned **GFACT** and **GSEC** certifications; currently pursuing **GCIH**.

Software Development & Cybersecurity Boot Camps
Completed Boot Camps at University of Texas Austin and **UX/UI** Boot Camp at University of North Carolina.