Tajae Johnson

Full Stack Developer | Software Engineer

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Summary

As a proficient computer science connoisseur, I possess specialized skills in object-oriented programming and User Interface Development. My foremost priorities when devising and implementing solutions are optimizing efficiency and ensuring security.

Experience

2U Inc.

Instructional Specialist - Part Time   Nov 2021 - present

- Delivered in-depth coursework on full-stack development, emphasizing the **MERN** stack (**MongoDB, Express.js, React.js, Node.js**)
- Instruction on **RESTful API** development, and integration.
- Provided in-depth training on **Sequelize ORM** for relational databases and **Mongoose ORM** for **NoSQL** databases.
- Guided students through the complexities of **Apollo GraphQL API** development, including setting up **GraphQL** schemas, writing **queries** and **mutations**, and integrating **Apollo Client.**
- Taught **test-driven development** (**TDD**) using frameworks like **Jest** and **Cypress**, emphasizing unit, integration, and **end-to-end testing** for building reliable, scalable applications.
- Introduced modern **DevOps** practices such as setting up **CI/CD pipelines** with **CircleCI** and **GitHub Actions**, as well as automating testing and deployment for quality software release cycles.

ADP Inc.

GPT Program Trainer - Contract   May 2023 - Sep 2024

- Delivered instruction on **Java Spring Boot** for enterprise-level API development, focusing on **Repository CRUD methods**, **Service layers**, **Routing**, and secure authentication using **JWT** and **Bcrypt**.
- Led lessons on **Oracle SQL**, covering **Stored Procedures**, **Triggers**, **Views**, and creating auditing mechanisms for data integrity and compliance.
- Guided students through full-stack development, emphasizing **React** with **Role-Based MVC**, and **Microservices** for scalable, modular applications.
- Taught the full development lifecycle with **Maven** and **Spring Boot**, ensuring production-ready applications with **logging** and auditing aligned to enterprise standards.
- Mentored teams in applying **Agile methodologies** with **Jira**, promoting collaborative problem-solving through **sprint reviews** and project audits.
- Developed critical **soft skills** like **communication**, **teamwork**, and **problem-solving**, preparing students for professional roles with a focus on **accountability** and **quality assurance** in tech-driven environments.

Freelance Developer

Full-Stack Developer - Consultant   May 2020 - present

- Developed full-stack applications with **Cloudflare SDK** and **Remix Run**, leveraging Cloudflare **D1** for database management and Cloudflare **KVs** for secure session storage.
- Managed **Cloudflare Workers** using **Wrangler CLI**, integrating loaders and actions to deliver modern, dynamic web applications.
- Conducted **API testing** using **Insomnia** and developed robust APIs and **microservices** with **Python FastAPI**. Implemented **Retrieval Augmented Generation** (**RaG**) leveraging **LlamaIndex**, **Qdrant**, and **Gemini API** to enable advanced, AI-driven functionality for enhanced application performance.
- Integrated **Amazon Textract** for extracting data from documents.

Objective

I strive to build impactful solutions that advance humanity, within a company that shares my values. I seek an inclusive culture that fosters creativity and offers opportunities for long-term growth and leadership. I aim to architect innovative projects that optimize programming practices and improve the software development lifecycle.

Languages

Typescript   Python   Java   Rust

Technologies

Node.js   Spring Boot   FastAPI

Frameworks

Remix   Maven   Django

Tools

Git   Docker   Postman   DevTools

Education

BA, MS - Computer Science

Texas Southern University   Jan 2018 -present

Certifications - Cyber Security

SANS Institute   Aug 2023 -present