

SHADI JABBOUR

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Work Experience

Stealth Startup

July 2023-Present

Lead Developer/CTO

Played a key role in the development and deployment of advanced software solutions within a stealth startup environment, leveraging cutting-edge technologies and cloud platforms.

- Built and deployed full-stack software systems for retail-focused client use cases.
- Owned implementation across product logic, backend services, databases, and cloud infrastructure.
- Designed cloud architecture and auto-scaling policies to improve reliability and reduce cost.
- Set up delivery workflows that improved deployment speed and code quality.
- Delivered production software in a startup environment with broad technical ownership.

Hurdle Solutions

Oct 2019-Present

Software Consultant

Founded a consultancy with an initial focus on web development and design, evolving into a multi-faceted practice specializing in full-stack development, cloud architecture, data engineering, and project management.

- Built full-stack applications and cloud-based systems for client projects across web, data, and infrastructure.
- Implemented secure authentication, scalable backend services, and production deployment workflows.
- Migrated enterprise data systems to cloud platforms while reducing downtime and data-loss risk.
- Developed data pipelines and analytics workflows for reporting, forecasting, and operational insight.
- Created dashboards and decision-support tooling for sales, marketing, and business operations.

IBM

January 2022-June 2023

Software Engineer

- Built and maintained web applications across frontend, backend, APIs, and server-side systems.
- Re-architected a core application to improve modularity, security, and deployment simplicity.
- Resolved memory and database performance issues, reducing server resource usage by over 50%.
- Implemented CI/CD pipelines and container-based deployment workflows to improve uptime and release reliability.
- Improved responsiveness and reliability through queue-based request handling and cloud document storage.

Red Hat

May 2021-December 2021

Software Engineer

- Built a full-stack data discovery application for search, analytics, and self-service data access.
- Implemented real-time search and analytics features to improve data usability and retrieval speed.
- Designed data processing workflows for ingestion into search and analytics platforms.
- Built deployment workflows and automation to support reliable releases.
- Developed a recommendation feature to improve dashboard relevance and presentation.

North Carolina State University

January 2021-May 2021

Research Assistant

- Built Python scripts for time-series analysis and forecasting across historical temperature datasets.

- - Developed a data analysis platform with automated collection workflows and cloud API integrations.
- - Improved visualization and analysis modules for clearer trend exploration and reporting.
- - Optimized database performance and data flow, increasing platform efficiency by 40%.

Cisco

May 2018-September 2018

Software Engineer Intern

- - Wrote data cleaning and aggregation workflows to improve dataset quality and analysis.
- - Built frontend tools for data visualization and interaction.
- - Improved database storage and retrieval workflows for reporting and forecasting use cases.
- - Supported network and systems troubleshooting in an enterprise engineering environment.

Volunteer Experience

Developer Volunteer, American Red Cross, American Red Cross

Collaborated on developing applications to streamline finance, operations, and disaster relief processes, while mentoring fellow volunteers on tool usage and serving as a technical resource.

Skills

Technical Skills

Frontend: JavaScript, TypeScript, React, Next.js

Backend: Node.js, Express.js, Python, Java, Golang, Rust

Database: PostgreSQL, MySQL, MongoDB, Redis

Cloud & DevOps: AWS, GCP, Azure, Docker, Kubernetes, Terraform, Prometheus, Grafana, ELK, Jenkins, GitLab CI/CD,

Tools: Git, Playwright, Selenium, JUnit, pytest, Apache Airflow, Elasticsearch

Education

Bachelor of Science - BS, Computer Information Systems, North Carolina State University, GPA: 3.7 ▪ 2021