Hamza L. Kurdi 🔗 🔗 🔗   Full Stack Developer • Tampa, FL • hkurdi@usf.edu • (813)-408-0696

Technical Skills

Programming Languages: Swift, Go, Python, C, C#, Java, JavaScript, TypeScript, HTML, CSS
Frameworks & Libraries: React, Next.js, Node.js, Express, Angular, SpringBoot
Databases & Dev Tools: MS SQL Server MGMT Studio, MongoDB, DynamoDB, SupaBase, Git, AWS, DevOps

Education

University of South Florida ⧉   Tampa, FL
Bachelor of Science in Computer Information Systems & Analytics   Aug. 2021 - Dec. 2024
Bachelor of Science in Quantitative Economics & Econometrics   Jan. 2024 - Dec. 2024

Relevant Courses & Certifications: Data Structures & Algorithms, Software Testing, Database Design & Development, Meta React Native Specialization, Harvard University's CS50: Intro. To Computer Science, Google Professional Data Analyst, DeepLearning.io's Deep Learning Specialization, CodePath TIP103 & WEB103

Work Experience

Baladi ⧉ **Founder & Full Stack Developer**   Tampa, FL,   Jan. 2024 - Present

• Built a start-up from the ground-up and provided technical leadership to a **chat room application** connecting international students globally, defining the strategy, setting goals and deliverables, and taking responsibility for technical delivery using the **MERN** stack.

• Executing proficient end-to-end application development using the **microservices architecture**, and emphasizing user-centric design, while leveraging **Agile methodologies** to drive rapid progress and employing **Git** to meticulously manage version control.

• Crafted the user interface using **React**, enhancing user interaction speed and achieving a peak response time of under **350** ms.

• Developed a backend using **Node.js** and **Express**.js to manage server-side operations and **MongoDB** for data management, using **RESTful API** design and asynchronous programming for optimal security and data validation, reducing query response time by **27%**.

Center of Leadership & Civic Engagement (Uni. of South Florida) ⧉ **Project Assistant**   Tampa, FL**,** Feb. 2023 - Aug. 2023

• Maintained and improved the **back-end system** for BullsConnect using **Node.js**, ensuring accurate validation and recording of workflows related to student organizations, while handling over **20** daily registration processes.
• Enhanced software reliability, user experience, and development process efficiency by resolving over **50** bugs using **JavaScript**, **React.js**, and **Python**, and optimizing **SQL** queries in **MS SQL Server Management Studio** to improve data retrieval speeds.

Realty Galaxy ⧉ **Frontend Developer & UI/UX Designer**   Remote, Sep. 2021 - Nov. 2022

• Engineered dynamic user interfaces for Realty Galaxy, utilizing **JavaScript** and **React.js**, ensuring accurate rendering of pixel-perfect designs and refined appearances across diverse screen resolutions and platforms, achieving a reduction in rendering time to sub-**250**ms.

• Collaborated with **cross-functional teams** to refine user journeys using **Figma**, ensuring a seamless navigation through user-centered design principles. **Presented** to stakeholders, leveraging storytelling and adapting messages to specific audiences.

Projects

PriceRadar ⧉**:** Developed a full-stack application using **TypeScript**, **Next.js**, **Express**, **Node.js**, **Nodemailer**, **Cron jobs**, and **MongoDB** for real-time Amazon product price tracking, user registration, notification features, and crafted the user interface with **TailwindCSS** following a **modular architecture**, achieving a peak response time of under **200 ms** for a seamless and polished user experience.

ResuMaster ⧉**:** Developed an **ATS resume reviewer** using **Python**, **Streamlit**, **PyPDF2**, **Google Generative AI**, and **AWS Lambda** to analyze and enhance resumes by extracting key information, identifying missing keywords, and providing job description match analysis.

Calories Burned Predictor ⧉**:** Developed a machine learning application using **Python**, **JupyterLab**, **Pandas**, **XGBoost**, **Flask**, **Scikit-Learn**, and **React.js**, deployed on **Heroku**, to predict calories burned with **91%** accuracy, featuring a **Flask API** and a **React.js** frontend.

Spam Classifier ⧉**:** Developed a machine learning model using **Python**, **PyCharm**, **NLTK**, **Scikit-Learn**, **Pandas**, **NumPy**, and **TfidfVectorizer**, deployed with **Jupyter Notebook**, **Streamlit**, and **Heroku,** to classify **SMS** and emails as spam with **96.9%** accuracy.

Crypto Pulse ⧉**:** Designed a **cryptocurrency viewer** and **portfolio management** application, leveraging **Swift** and **SwiftUI** with the **MVVM architecture**, **Combine**, and **CoreData**, enabling seamless data integration via **Coin Gecko's API**.