Tariq Zaitoun

tariq.s.zaitoun@gmail.com | tariqzaitoun.com | linkedin.com/in/tariq-zaitoun/ | github.com/tzaitoun71

EXPERIENCE

Software Engineering Fellow Jul. 2024 – Present

Headstarter
- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and microservice patterns

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, HTML/CSS, SQL
Technologies and Services: Next.js, React.js, Node.js, Express.js, Spring Boot, FastAPI, OpenAI, StripeAPI, LangChain
Databases: MongoDB, Pinecone, MySQL, PostgreSQL
Cloud Platforms: Google Cloud, Azure Cloud, Vercel
Methodologies: Agile, Test-Driven Development (TDD), Scrum
Tools: Docker, Git, Matlab

PROJECTS

AI Flashcards | *Next.js, React.js, Firebase, OpenAI, Vercel*, MaterialUI Aug. 2024
- Developed a flashcard SaaS platform using Next.js, Firebase, and OpenAI, allowing users to create or generate flashcards with AI.
- Integrated Stripe for payment processing and subscription management, offering premium features like unlimited flashcards and access to public sets.
- Implemented user authentication with Clerk, ensuring secure access for users across devices.

AI Customer Support Chatbot | *Next.js, React.js, Firebase, OpenAI, Pinecone, LangChain, Vercel*, MaterialUI Aug. 2024
- Developed an AI-powered customer support chatbot using Next.js, Firebase, OpenAI, and Pinecone, enabling dynamic, real-time responses based on a Retrieval-Augmented Generation (RAG) knowledge base
- Implemented multi-language support and user authentication for a more user-friendly experience
- Used puppeteer to extract text from URLS, enabling the chatbot to retrieve information from various websites

AI Pantry Tracker | *Next.js, React.js, Material UI, Firebase, Vercel, OpenAI* Jul. 2024
- Developed a pantry management web application using Next.js and Firebase, integrating AI to help users efficiently manage their pantry items
- Enabled users to upload or capture images of food items with their phone or computer cameras, utilizing OpenAI's image classification to identify and add items to the pantry
- Used OpenAI for recipe suggestions based on available pantry items, providing users with personalized meal options

Event Scheduler | *React.js, JavaScript, Java Spring Boot, MongoDB* Jun 2024
- Developed a full-stack web application using React.js, Spring Boot and MongoDB to enable event planning and management, improving community engagement
- Designed and implemented RESTful APIs for user registration, authentication, and event creation, leveraging JWT for secure access
- Implemented user and event management features, allowing users to create events, select attendees from registered users, and view events they are participating in a calendar interface

EDUCATION

Toronto Metropolitan University Toronto, ON

Bachelor of Engineering (B.Eng.): Software Engineering Sept. 2020 – Apr. 2024
- Dean's List 2023 & 2024 with a GPA: 3.70/4.33
- Relevant Coursework: Machine Learning and Intelligent Systems, Software Testing and Quality Assurance, Distributed and Cloud Computing, Software Design Architecture, Software Project Management, Database Systems, Advanced Algorithms