Omar Shoura

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Boston, MA (willing to relocate)

Relevant Experience

Reprise (Series B) – Remote   *Aug 2023 – Present*
Full Stack Software Engineer

- **Migrated product from Vue2 to Vue3**, redesigning frontend architecture with Pinia stores, composables, and streamlined single-function APIs.
- **Increased product adoption from 34% → 89% by shipping high-impact Vue and Django** features (screen duplication, custom code injection, multi-guide tours, style edits).
- **Optimized screen load performance** by reducing DOM reflows, rearchitecting iframe usage, and minimizing messaging overhead, **cutting user-perceived load times by 21%**
- **Developed a secure third-party developer enablement framework**, providing enhanced tooling while preventing cross-iframe attacks, leading to three customer renewals ($300K+ in CV)
- **Resolved high-priority production bugs under tight deadlines**, preventing churn from major enterprise clients with **$1M+ in contract value**, including high-profile customers with critical SLAs.
- Re-architected demo import pipeline with **SQL optimization** and **GCP bucket-to-bucket transfers, cutting import time 84%**

Capital One: Cloud Maturity – Mclean, VA   *Jun 2023 – Aug 2023*
Software Engineer Intern

- Designed and deployed a **React + AWS Lambda** compliance dashboard for cloud resources, surfacing security vulnerabilities in real-time and reducing cloud costs
- Integrated six API sources, cleaned/normalized data, and loaded into **PostgreSQL** via SQLAlchemy
- Operated autonomously in a high-compliance environment, shipping production-ready features in 10 weeks

Liberty Mutual Insurance: Office of Data Science – Boston, MA   *Jul 2022 – Dec 2022*
Machine Learning Engineer Coop

- Modernized internal Python modeling library, aligning with **scikit-learn** standards, reducing memory usage, and improving documentation for 12+ engineers
- **Designed and deployed data transformers**, accelerating model deployment 85%
- Designed new ensemble model to aggregate 3 models to improve predictions; currently deployed and used

Technical Skills

Languages	TypeScript, JavaScript (ES6), Python, Swift, Java
Front-End Technologies	React.js, Next.jsVue.js, Pinia, DOM Manipulation, Service Workers, Iframes, CORS
Backend & Infrastructure	Django, PostgreSQL, Node.js, Celery, SQL, GCP, Docker,
Tools	Playwright, Jest, Webpack, Vite, ESLint, Prettier, Git, CI/CD (GitHub Actions)

Projects (Refer to *GitHub* for more)

Amwal – *React, Next.js, Supabase, Plaid*   *Apr 2025*

- Built a personal finance tracking app using Plaid api. Integrates with bank accounts, credit cards, brokerage accounts to show a account info, transactions, and networth; Allows sharing with household members

Islamicly.ai (link) – *Langchain, Pinecone, GPT-4, Next.*   *Jul 2023*

- **Created first chatbot ground in Islamic Sources**, built using Next.js; Amassed 2000+ website visits
- Embed text using OpenAI, store vectors in Pinecone, and build chatbot using GPT-4 and Langchain – RAG

Education

Northeastern University, Khoury College of Computer Science – Boston, MA   Sep 2020 - Apr 2024
Bachelor of Science in Computer Science (3.8/4.0 GPA)

- ***Coursework***: Artificial Intelligence, Machine Learning I, Software Engineering, Programming Languages
- ***Leadership:*** *Islamic Society of NU (Vice President), Northeastern Fintech (Program Coordinator)*
- ***Teaching Assistant:*** *Object Oriented Design, Fundamentals of Computer Science*