

Karim Kabbara

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EXPERIENCE

Software Engineer

September 2023 – Present

Geotech Environmental Equipment, Inc.

Denver, CO

- Led the development of Geotech's customer portal for field devices using ReactJS, creating a seamless, intuitive platform that enables customers to access real-time system data and remotely monitor and control embedded systems. This resulted in an 8% reduction in technical support calls
- Implemented a tiered storage strategy, leveraging Google BigQuery for warm storage and Google Cloud Storage for cold storage to optimize query performance and reduce long-term costs for field-device data.
- Collaborate with engineers across disciplines to program fault-tolerant and autonomous embedded systems using Node.js.
- Apply Agile methodologies to streamline development, foster collaboration, and ensure the timely delivery of high-quality features that meet performance and reliability standards

Software Engineer

August 2024 – Present

RealeContracts

Remote

- Collaborating with a non-technical cofounder to launch a real estate tech startup.
- Building a full-stack contract management platform using Next.js and Express.js, fully deployed on Google Cloud Platform (GCP).
- Designed secure workflows for brokers and clients to create, track, and digitally sign real estate contracts.
- Developed a custom PDF rendering pipeline with support for dynamic fields, deadlines, and signature tracking.
- Architected a scalable backend to manage users, clients, properties, and contract relationships efficiently.
- Designed a secure client access system using expiring, tamper-proof links to simplify contract signing without requiring login.

PROJECTS

Classical Music Library

- Developed a comprehensive classical music library website with 200+ composer profiles, over 25,000 classical works, and an integrated music player.
- Built a ReactJS single-page experience for efficient navigation and minimal loading times, with a scalable Express.js backend for handling user requests.
- Integrated the ChatGPT API to generate unique composer descriptions and trivia questions and integrated the Google Maps API for an interactive map of composer birthplaces.
- Leveraged Supabase authentication and Google OAuth and PostgreSQL with Row-Level Security.
- Deployed a CI/CD pipeline using Google Cloud Build and utilized Google Cloud Run to enable seamless integration of new features and updates.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science

University of Colorado, Denver | GPA: 3.56

Cisco Certified Network Associate

CompTIA Security+(SY0-601)

SKILLS

TypeScript, NextJs, Firebase, Supabase, Big Query, ReactJs, PSQL, Node, Express, Python, TailwindCSS, Git, Agile, Google Cloud Platform