

Karim Kabbara

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EXPERIENCE

Software Engineer

September 2023 – Present

Geotech Environmental Equipment, Inc.

Denver, CO

- Leading the development of Geotech's customer portal using React, enabling 70+ users to remotely monitor and control 40+ field devices in real time.
- Implementing a tiered storage strategy with Google BigQuery for warm storage and Google Cloud Storage for cold archived data, optimizing query performance and reducing long-term costs.
- Programming fault-tolerant and autonomous embedded systems with Node.js by collaborating with mechanical and electrical engineers.
- Applying Agile methodologies to streamline development and ensure the timely delivery of high-quality features that meet performance and reliability standards.

Lead Engineer

August 2024 – Present

RealeContracts LLC

Remote

- Collaborating with a non-technical founder to launch a real estate transaction platform, leading all technical architecture and development from concept to production.
- Rebuilding 70+ state-provided PDF contracts as dynamic React forms with built-in signature capture, deadline tracking, error detection, contract-aware AI-assistance, reducing human error and accelerating transaction closings.
- Engineering a secure digital signature system with end-to-end encryption, ensuring contract integrity across multi-party signing workflows.
- Architecting a scalable backend with Express.js, Prisma ORM and PostgreSQL to manage complex relationships across users, clients, properties, and multi-party contracts.
- Implementing a BFF authentication layer with Firebase Auth, managing JWT life cycle and role-based access control for brokers and clients.
- Integrating Google Cloud Storage for document and signature management, with signed URL uploads, file versioning, and application-level encryption using AES-GCM and RSA.
- Optimizing complex contract forms with 100+ dynamic input fields through granular state management and strategic rendering patterns, improving UI responsiveness.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science

University of Colorado, Denver | GPA: 3.56

Cisco Certified Network Associate

CompTIA Security+(SY0-601)

SKILLS

React, Next.js, TypeScript, Node.js, Express.js, PostgreSQL, Prisma ORM, Firebase, Google Cloud Platform, Google BigQuery, Google Cloud Storage, Tanstack Query, Zustand, Tailwind, REST APIs, Git, Agile