Kyoseong Ku (Austin)   kyoseongku@gmail.com   kyoseong.com

SuperCare Health - Senior software engineer   Feb. 2017 - Present

Designed, developed, tested, and provided documentation for the following projects:

Digital signatures	Back-end service providing digital signature functionalities, dynamic PDF rendering, framework for creating signable documents
Full-stack watchdog	Monitors in-house web apps across multiple servers, displays status and other details on an internal web portal, alerts IT in case of crashes, freezes, low resources, etc.
Notification service	Internal and customer-facing back-end service on a serverless architecture that sends emails, texts, and faxes for various events
Call center	AWS Connect integration with custom contact panel and mass outbound IVRs
Delivery driver tracker	Dashboard displaying live locations of the company's delivery drivers on a map
Web portal	Full-stack patient-facing web application on a serverless architecture
Centralized authentication	API server with front and back-end middleware modules for use by internal web apps

Contributed to the following projects:

Document management	Developed auxiliary full-stack services and React components
Delivery management	Provided an address validation service using USPS, various endpoints, code fixes
Care management	Developed the back-end for its customer-facing iOS app and integrated into it an existing API that contains other core business logic
Infrastructure	Migrated cloud servers from GCP to AWS, MongoDB replica sets to AWS DocumentDB

Crypto Trading Bot - Developer   Sep. 2021 - Present

Developed a program that makes trading decisions based on various technical indicators
Ability to execute modularized trading strategies for flexibility and adaptability to market cycles and trends
React-based UI that charts coin prices, overlaid with technical indicator graphs and trade points

AirBuddy - Founder   Jan. 2020 - Present

Developed a full-stack web application, similar to the Dylect project
Added payment handling, scheduling, and video broadcasting

Dylect - Co-founder   Dec. 2015 - Sep. 2016

Developed a full-stack, peer-to-peer video chat web application using WebRTC
Integrated a collaborative whiteboard with the ability to share images onto the whiteboard
Integrated a chat box with translation and speech-to-text capabilities

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University of California, Los Angeles

Computer Science, B.S.   Graduated Dec. 2015

Stack	React+Redux with Material-UI for front-end; Node.js and Go for back-end
Amazon Web Services	API Gateway, CloudFront, CloudWatch, Connect, DocumentDB, DynamoDB, EC2, IAM, Lambda, Load Balancer, Migration Service (server, database) Route 53, S3
Notable APIs	FTX, Google (Drive, Gmail, Identity, Maps), SendGrid, Stripe, Twilio (SMS, Video), web3
Testing	Mocha+Chai and Jest for Node.js; Golang's testing package
Other back-end	MongoDB, GCP's Compute Engine and Cloud Functions, WebRTC, WebSockets
Other languages	Learning Rust, Solidity; Academic experience with Assembly, C, C++, Java, SQL, Python

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US citizen, willing to relocate. Currently residing in Dallas, TX