Matt Rkiouak

Product-Oriented Software Leader, Manager & Individual Contributor

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EXPERIENCE

Google, Mountain View — Software Engineer

January 2024 - PRESENT

Cloud AI, Speech

- Implemented, Launched SOTA Text to Speech "HD Voices" Public API
- Architected & Launched new LLM Foundation Model based transcription (Chirp 3) model
- Conformer-based model serving & infra maintenance

July 2023 - January 2024

Unified Identity, GCBP

- Launched & landed Partner (Systems Integrator) Identity Signup & Single-Sign On solution for GCP
- Launched unified Cloud customer account, enabling Deal Submission migration from legacy system
  - Eliminated 7 duplicate, unreconciled customer accounts across multiple stakeholder systems
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August 2022 - July 2023

Advertiser Identity, Ads

- Launched first "opt-in"/"Voluntary" verification solution for Google Ads Advertisers, greatly simplifying and reducing time to system availability for the verification experience.
- Enabled 8.2% conversion rate uplift for Search Ads by integrating verification status into Campaign Construction & (Ads) Asset management

Reify Health, Remote — Senior Staff Engineer

January 2021 - July 2022

- First "Staff+" level hire, lead the formalization of IC ladder and roles beyond Senior Software Engineer.
- Lead & Delivered Projects contributing to the closing of Series C & D rounds, resulting in a ~$5b valuation
- Cross-organization responsibility for ensuring technical strategy and implementation cohesion as the scale out of the engineering organization from 30 to 200+ engineers occurred
- Lead and delivered project centralized authN&authZ, org-wide API management, migration from "pet" server deployments to K8s application infrastructure

Portfolio Website
https://ki-storygen.com

Personal Website
https://musings-mr.net

SKILLS

Distributed Systems, Real-time Streaming, APIs, Relational & Column Databases, Clojure, Java, C++, Python, LLM Productization & prompt Management

Manetu Inc., Remote —Founding Engineer

December 2019 - December 2020

- Founding developer of industry leading Data Privacy & DSAR (Data Subject Access Request) management SaaS platform
- CQRS (Command Query Responsibility Segregation), event driven data platform using NIST standards based ECIES encryption & multi-factor authentication protocols
- Product design, including running UX consultant engagement to deliver product front-end UX design requirements and ensure built to purpose.
- Built (end to end) multi-factor authentication including web, iOS app (clojurescript+React Native+Native Objective C for secure enclave integration), identity provider backend (golang & clojure)

Languages: Clojure(Script), Java, Golang, React Native, minimal Objective C

Operations: git, Gitlab CI & CD, Kubernetes (Rancher), Datadog log aggregation + synthetic testing + alerting, prometheus metrics collection

State Street, Remote — *Principal Engineer*, previously Manager, Software Engineering

July 2015 - November 2019

- Pioneered internal k8s cluster for rapid prototyping and perf engineering
- Designed (Tech & Biz), presented (to MC and Board) and engineered blockchain security custody, lending & collateral management application
- Linux Foundation Hyperledger Fabric FOSS Contribution
- 1st Internal to Open Source contributed project – GRPC & Protocol Buffers 1st class clojure language support
- Custody, Accounting, Investment Book of Record DLT – Engineering Lead & Product Design
- Internal Credit Risk modernization – Architect, Lead Engineer, Engineering Manager

Technical Stacks: Clojure(Script) (internal "microservices", supporting clojurescript front-end work [material-ui, om.next (cljs react based framework), Kubernetes, Golang fabric components, Kafka messaging, event driven architecture.

EDUCATION

Boston University, Boston MA — *B.S. in Computer Science*