Trevor Schmidt

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Senior software engineer with a proven record of technical leadership and achievement, across a wide range of problems and disciplines:

› driving projects from conception to successful adoption and sustainable growth

› acquiring and applying deep domain/subject matter expertise

› fostering an engineering culture of velocity, quality, and continuous improvement of both

› reducing and overcoming risk, to grow and deliver on new project/business opportunities

Expertise	• Domain-driven design & architecture
	• Technical vision, direction & execution • Web apps & services • Performance
Web UI & UX	• React (+ Preact & similar) • Reactivity (framework-agnostic) • "Vanilla" JS
	• Vue
Languages	• TypeScript/JavaScript • CSS • HTML • SQL • Python • Swift • Java
Niche/Esoteric	• ODK XForms & XPath • Clojure • SolidJS
	• DSLs (parsers, semantics & runtime)

Recent Experience

ODK
Senior Software Engineer, 3/2021-4/2025*

Created & led development of ODK Web Forms, a web-based complement to their flagship Android app.

* 2021-2023: Maintainer of ODK Web Forms' legacy predecessor, Enketo.

› Conceived and prototyped foundations for ODK Web Forms—first as a skunkworks project on personal time, ultimately forming the basis for formally evaluating the project's viability.

› Led design & architecture to ensure core product/business goals: initial alignment with the flagship Collect app for Andriod; sustainable productivity and maintainability for user-facing functionality core to the business; anticipation of long-term unification on a single tool/platform.

› Primary development of ODK XForms and XPath engines. Responsible for design & implementation of parsing, data model, runtime computational architecture, and client-agnostic rendering APIs.

› Prototyped initial UI/UX; collaborated with dedicated UI developers as team grew; coordinated downstream integration with team developing ODK Central software for form and submission management.

Reup → Mister Kraken → Treez
Senior Software Engineer, 11/2015-9/2020*

Full-stack web service & application development serving a diverse range of responsibilities related to the legal cannabis industry.

* Reup partnered with Mister Kraken in 2017; both companies were acquired by Treez in 2018.

Treez 2018-2020

> Led integration between Treez B2B inventory management services, and Mister Kraken's extant integrations with state-mandated traceability services; expanded on prior success maturing said integration to all major regulatory & vendor environments.

> Built robust & general web service tooling as basis for Treez/Mister Kraken integration. By time of my departure, this tooling had become a foundation for all new and anticipated service development.

> Intervened on personal initiative in the wake of widespread vendor outages and data corruption, instituting reliable, auditable, and reproducible processes to recover/reconcile customer regulatory reporting and inventory data.

Mister Kraken 2017-2018

> Led efforts to mature and adapt early-stage integrations with WA state-mandated traceability services, ensuring stable continuation of service for customers through abrupt/rapid changes to the state's regulatory environment and service vendor.

> Promoted a team culture shift to embrace automation & other safeguard processes, significantly improving velocity and product quality alike.

> Integrated Reup's B2B marketplace software, filling the remaining gaps in Mister Kraken's end-to-end inventory management offering.

Reup 2015-2018

> Led technical design & development of Reup's core web application, a B2B cannabis supply chain marketplace.

> Shared leadership & development of associated web services.

> Joined founders & design team in user research to ensure direct engineering involvement in product-market fit.

ClipCard   Senior Software Engineer, 4/2013-8/2015

ClipCard was a set of apps and services which let users find files, notes and more across a wide variety of consumer and business cloud services by indexing those resources in a common format.

> Led design and development an ETL framework used by all of ClipCard's API integrations, providing simple, generalized interfaces to accelerate development of service API authorization, backpressure, fault tolerance and extract/integration patterns.

> Contributed to 12 of ClipCard's API integrations, leading development on integrations with Dropbox, Evernote, GitHub and Trello.

> Led frontend architecture and development of ClipCard's web app, and provided mentorship for the team member who eventually replaced me in that role as I transitioned to to lead API integration efforts.

> Organized a hackathon which produced 8 API integration prototypes, ultimately leading to the company's pivot from enterprise services to focus on cloud services and consumer adoption.

> Designed and developed ClipCard for Mac.

Projects

24 projects listed at eyelidlessness.github.io/projects

References

Available upon request, email gnosis@gmail.com