

# Roman Gurovich

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Experienced software engineer with significant breadth and depth across industries. Has a track record of designing, developing and delivering impactful business software. Ready to make immediate contributions.

## PROFESSIONAL EXPERIENCE

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### Senior Software Engineer @ Fulcrum

Oct 2022–April 2023

Developed a robust real-time communication platform as part of Enterprise Resource Planning (ERP) system.

- Designed architecture and data model, wrote most of the code, and steered iterative rollout.
- Implemented a rich feature set including @mentions, tags, unread messages, notifications and more.
- Enabled managers and employees on the shop floor to communicate in real-time production settings.

Delivered core features for inventory valuation, workflow plan validation & Bill of Materials (BOM) fulfillment.

### Senior Full Stack Engineer @ Trax Retail

May 2019–June 2022

Created an invoicing platform that enabled our company to bill clients accurately and in itemized detail.

- Fully isolated application with its own web UI, BFF, API layer, DB, and messaging mechanisms.
- Consistent and auditable with a CQRS pattern that allowed us to replay events and verify correctness.
- Designed and implemented the infra, much of the data model, and core parts of the service and UI.

Drove a major cross-functional initiative to bring Computer Vision into mobile application for retail stocking.

- Coordinated 7 teams in 4 time zones to pull together resources necessary for integration.
- Built an orchestrator service to ingest AI/ML predictions and distribute them to interested parties.
- Helped develop the API to enrich mobile application with a combo of AI insights and business logic.

Built a variety of features for our crowdsourcing management platform, such as:

- Ingestion feeds into data lake
- Templated questionnaire builder
- Date-based lookup for submission statistics
- Registration flow for workforce MVP

### Senior Full Stack Engineer @ Tout

Aug 2017–April 2019

Built and launched an innovative VPAID ad tag that fused custom ads & content in an embedded video player.

- Designed the tag with small initial footprint and async hooks to enable performance & compatibility.
- Integrated video player with configurable behavior on how ads/content are injected + navigated.
- Ensured consistency across various ad delivery networks, devices, and browsers.

Developed functionality for our video player, SDK, and partner CRM. Highlights include:

- Embeddable lightweight SDK
- Header bidding
- Ad vendor adaptors
- Tagged video search

### Software Engineer @ Ellucian

May 2015–March 2017

Helped build Brainstorm, a first-of-its kind Competency-Based Education (CBE) platform.

- Led cross-functional effort to integrate Student Information Systems (SIS) into the gradebook.
- Developed a secure, but flexible way for tenants to white-label their implementations.
- Built a module for advisors with dashboard, an event feed, alerts, messaging, and graphs.
- Created a subcomponent service to incrementally validate courses as they're published.

- Standardized UI to work across desktop and mobile browsers, with support for touch devices.
- Worked on internationalization with support for timezones, LTR languages, and alternate calendars.
- Helped develop a highly flexible authorization scheme with roles and bundles of permissions.
- Implemented preview screens for exams, so course designers could see what they would look like.
- Introduced conditional locking on assessments, implemented as a tree of requirements.
- Contributed to a comprehensive suite of automated E2E regression tests.

## Software Engineer @ BeRecruited

March 2014–April 2015

Delivered core contributions in every facet of the product, a social network for high school athletes.

- Built a multistep activation flow that increased monthly signups by 20% by chunking information.
- Led the effort to convert site to be responsive, so that we could serve an increasing % of mobile users.
- Developed various forms and endpoints such as signup, activation, edit pages, checkout, search, etc.
- Built interactive onboarding dialog system to guide athletes and coaches through new features.
- Crafted visually interesting email templates that worked across various mail clients.
- Integrated video tracking and metrics so we could get insights about how people were using the site.
- Implemented a popular module to enable students to bookmark and follow their favorite universities.

## Software Engineer @ Weedmaps

Sept 2013–Jan 2014

Built “Weedmaps Deals”, a deal discovery platform for marijuana dispensaries and patients.

- Today, it drives the lion’s share of the company’s revenue and is the primary user-facing experience.
- Architected and implemented all of the front-end, with composable components and a fun style.
- Integrated with location-aware geo search service to surface the right deals to the right clients.
- Developed features such as pageable infinite scroll, google maps popups, printable labels, and more.
- Built a dashboard of graphs for dispensaries to track their advertising targets.

## Analyst @ Infosys

June 2007–Oct 2012

Executed a number of initiatives for Infosys directly and for clients, AT&T and Warner Music Group.

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| • Quality assurance      | • Business acquisition & strategic partnerships |
| • Supply/demand planning | • Deployment readiness                          |

## COMPETENCIES

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**Languages:** Python • Typescript • Go • Elixir • Ruby • C# • Javascript • HTML • CSS • SQL

**Frameworks:** PyTorch • ASP.NET Core • Rails • Phoenix • React • Angular • NextJS • GraphQL

**Data:** Postgres • MySQL • SQLite • MongoDB • Redis • BigQuery • Spark • Aurora • RDS • SNS/SQS

## EDUCATION

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B.A. Psychology @ UC Irvine 2007 ~> ABET SW Engineer @ Infosys 2008 ~> 2nd batch @ App Academy 2013

## HOBBIES

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**Chess:** Ranked nationally

**Physics:** Let’s nerd out about Minkowski spaces and the Lorenz transformation

**Hackathons:** Have done a ton over the years; most recently have been focused on the AI/ML space

**Music:** I compose weird little pop songs and am fascinated by theory

**Basketball:** Student of history and consumer of drama; I like to hit the court as well

**Volunteering:** Generally apply my tech skills; previously at RailsBridge, and currently at U.S. Digital Response