

# Yaqzan Ali

## Senior Software Engineer · Full-Stack & Cloud

London, ON · remote | [yaqzan\\_ali@hotmail.com](mailto:yaqzan_ali@hotmail.com) | [linkedin.com/in/Yaqzan](https://www.linkedin.com/in/Yaqzan) | [github.com/yaqzan](https://github.com/yaqzan) | [yaqzan.dev](https://yaqzan.dev)

### SUMMARY

Senior software engineer with nine years building and running web platforms: React and Vue front ends, Ruby on Rails and Python services, and AWS and GCP infrastructure as code. I lead epics from design to production, keep live systems fast and stable, and mentor other developers. Outside work I build and host my own software, most of it open source at [github.com/yaqzan](https://github.com/yaqzan) and live at [\\*.yaqzan.dev](https://*.yaqzan.dev).

### SKILLS

|               |                                                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------------|
| Languages     | Ruby · Python · JavaScript · TypeScript · SQL · Bash / PowerShell                                                   |
| Front end     | React · Vue.js · Tailwind CSS · HTML5 · CSS                                                                         |
| Back end      | Ruby on Rails · Django · Flask · REST APIs · GraphQL · Sidekiq · Elasticsearch                                      |
| Cloud & infra | AWS (EC2, RDS, S3, Elastic Beanstalk, ACM, IAM, CloudWatch) · GCP · Azure · Terraform · Pulumi · Nginx · Cloudflare |
| DevOps        | Docker · GitLab CI · CircleCI · Honeycomb · Rollbar · LaunchDarkly · Git                                            |
| Data          | PostgreSQL · MySQL · SQLite · Elasticsearch                                                                         |
| Testing       | RSpec · PyTest · Jest · Capybara · Selenium · Playwright                                                            |
| Practices     | SOC 2 · Auth & SSO (OAuth, Devise, Okta/SCIM) · Agentic AI development (Claude Code) · Agile · Mentorship           |

### EXPERIENCE

Senior Software Engineer · HappyCo

Nov 2022 – Present · Remote

Multifamily property-management SaaS (acquired Yuhu, 2022)

- Own performance and stability for a Rails and React SaaS: tune slow queries and background jobs, and fix recurring incidents at the root with tests that keep them fixed.
- Run the full AWS stack (EC2, RDS, S3, ACM rotation, IAM, CloudWatch) as code with Terraform and Pulumi. Added a GCP-hosted service and moved CI/CD from CircleCI to GitLab CI.
- Mentor other developers through code review and design, and brought Claude Code multi-agent workflows to the team.

Software Engineer · Yuhu

2021 – 2022 · Remote

- Led epics end to end, including a notification system covering email, SMS, and Firebase push.
- Stabilized the Paysafe payments platform. Found the concurrency bugs behind failed and duplicated charges, fixed them, and reconciled every affected transaction. No double payments since.

Ruby on Rails · React · AWS · Sidekiq · Datadog · Firebase

Software Developer → Intermediate Software Developer · Info-Tech Research Group

2017 – 2021 · London, ON

- Implemented SOC 2 compliance for the myPolicies product and took it through audit.
- Built Elasticsearch search and Vue.js features (including drag-and-drop file upload) for SoftwareReviews, Info-Tech's software-advisory platform.
- Implemented LinkedIn OAuth and Okta / SCIM SSO provisioning.
- Designed a Sidekiq job queue with task prioritization to keep the app responsive under load.

Ruby on Rails · Vue.js · Elasticsearch · Sidekiq · OAuth · Okta / SCIM · Azure

### PROJECTS

**Bagholders** options trading platform · [quant.yaqzan.dev](https://quant.yaqzan.dev) · [github.com/yaqzan/bagholders](https://github.com/yaqzan/bagholders) · Python, Flask, React, MySQL

Scores about 74,000 stocks 0 to 100 nightly from a six-factor technical model with regime- and volume-aware weighting, and maps the strongest signals to options entries for a live portfolio. A change to the formula ships only after a five-year barrier-touch backtest and a 500-run Monte Carlo drawdown check, every scoring version is frozen and reproducible, and a forecast-verification layer grades the model against climatology and momentum baselines. Long compute runs through its own priority job scheduler.

**HarnessBench** LLM agent research · [github.com/yaqzan/harnessbench](https://github.com/yaqzan/harnessbench) · Python

A/B testbed for agent-harness techniques on ARC-AGI-3: model fixed, one scaffold piece changes at a time, budget enforced server-side with a full audit log. First result: a file-based state protocol cut tokens 41% and actions 32% on the same task.

**Self-hosted fleet** [\\*.yaqzan.dev](https://*.yaqzan.dev) · [github.com/yaqzan](https://github.com/yaqzan)

GameNight, Scribe, Spice, Curator, Fantasy, Wayfinder and Vesper: small production apps (Python, React, FastAPI, Whisper) on a home server behind per-service Cloudflare tunnels with watchdog tasks, each published as an open-source repo.

### EDUCATION

Western University · London, ON · Bachelor of Science, Specialization in Computer Science

2016