

Pranjal Aswani

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Backend engineer with 7+ years building high-reliability platforms in cross-border payments, fintech, and AI products. Deep experience with transaction integrity, financial bookkeeping correctness, partner integrations, and compliance tooling at scale

- Designing and operating high-reliability backend systems under strict uptime and correctness constraints
- Translating complex infrastructure and AI systems into developer-friendly, production-ready solutions
- Owning ambiguous problems end-to-end, from architecture decisions to customer impact

EXPERIENCE

Proximity Works Sports and Media Consulting - **Senior Software Engineer** **Remote - India** **Jan 2026 - Present**

- **Event-driven analytics pipeline:** Designed and shipped Kafka-based event capture for user recommendation outputs, powering downstream A/B experimentation analysis at scale across the recommendation system.
- **API performance optimization:** Identified critical-path bottlenecks in recommendation APIs and moved non-blocking work to async background processes, reducing P99 latency by 50ms on the masthead, anchor and top picks for you content APIs (most consumed)

BareLab AI skincare adherence - **Founder | CTO** **Remote - India** **May 2025 - December 2025**

FastAPI, PostgreSQL, Flutter, GCP (Cloud Run, Cloud SQL)

- Founded and led technical vision for an AI skincare app that personalizes routines using menstrual cycle data and hyperlocal weather
- Built technical stack from scratch: FastAPI backend + PostgreSQL, PyTest, Flutter apps, deployed on GCP Cloud Run and Cloud SQL
- Owned end-to-end product delivery: technical feasibility, data pipeline engineering, multi-LLM integration, prompt tuning, knowledge base creation, backend and App development, testing and deployment, App Store/Play Store approvals, and production monitoring.

Thunes Cross border payments - **Software Engineer** **Singapore/Remote** **May 2022 - January 2025**

Go, Perl, TDD, TypeScript, Vue, PostgreSQL, AWS

- **Legacy Migration (Perl to Go):** Migrated critical transaction-processing services (backend services, jobs, common libraries) in the Core Engine from Perl to Go - maintaining 99.99% uptime across a system processing \$10B+ annually, while hardening edge-case test coverage throughout.
- **Compliance & fraud tooling evaluation:** Led the technical evaluation of iPID (identity verification & beneficiary account validation vendor) as Thunes expanded into Africa, SEA, and Pakistan. Owned vendor-fit assessment, integration design, and risk-tolerance trade-offs. Sat on the buyer side of the compliance/identity-verification tooling stack that fraud-prevention engineering teams consume.
- **Rearchitected legacy Perl scripts to Go** at the systems level - updating transaction state via partner callbacks and direct status polling, with correctness-critical edge-case hardening on non-production environments before a gradual, low-traffic-first production rollout.
- **Developed and maintained internal tooling** (Perl/Vue/TypeScript) used by Ops and Customer Support to manage Thunes' network - partner configurations, scheduled downtimes, fund transfers, communications, transaction monitoring, etc.
- Served as a technical anchor for the Singapore team, accelerating the ramp-up of incoming engineers through deep-dive architectural walkthroughs of the transaction engine.

10xers.co Software Consulting - **Tech Lead** **Remote - India** **December 2020 - April 2022**

Go, PostgreSQL, Git, Jira, Bitbucket, AWS

- **Architected Passion.do:** Built the complete backend infrastructure for a creator economy platform using Go (Gin), Postgres and AWS, enabling non-tech creators to monetize their content (group classes, pre-recorded videos) via Stripe Connect integrations.
- **Fintech product delivery:** Led end-to-end builds of multiple production fintech MVPs for the MENA market (POS systems, expense management), plus e-commerce platforms - full backend ownership in Go/Postgres/AWS environments.
- **Engineering Leadership:** Established the technical foundation for the company; recruited the early engineering team and implemented mentorship programs to accelerate junior developer growth.

Halodoc Healthcare for Indonesia - **ML Engineer** **Bengaluru, India** **July 2019 - November 2020**

Python, TDD, Jupyter, Scikit Learn, Pandas, Java, MySQL, AWS

- **Finding user's probable location via KTP cards:** Engineered a geo-location pipeline that extracted coordinates from patient KTP identity cards, directly enabling the Indonesian government to identify COVID-19 hotspots and optimize rapid test allocation.
- **Led a project to classify consultations (+ve/-ve):** Developed an NLP classification system to analyze unstructured SOAP notes and chat logs, automating quality scoring for consultation assessments and enhancing medical compliance tracking.
- Accelerated data labeling workflows by building custom internal tooling for the Ops team, significantly reducing time required to clean & tag anonymized datasets for model training.

Software Development Engineer **September 2018 - June 2019**

- Maintained Halodoc's tele-consultation product: pushing new features, bug fixes & improvements to 5 micro-services, every sprint.
- Integrated Midtrans payment gateway for tele-consultation.
- Designed & developed V1 search on the halodoc.com website using Elasticsearch

OPEN SOURCE

Google Summer of Code Community Health Analytics and Open Source Software (CHAOSS) **May 2018 - August 2018**

Worked on manuscripts, a report generating tool utilising Grimoirelab's tooling and libraries to create PDF reports on the health and performance of FOSS communities. It used data sourced from github/gitlab, mailing lists, JIRA, bitbucket and similar project management tools

SKILLS

Languages: Go (Golang), Python, TypeScript, Perl. Databases: PostgreSQL, MySQL, SQLite. Frameworks: Gin, FastAPI, VueJS, React, Pytest. AI: RAG, LLM APIs (OpenAI/Claude). Project management: Git, Github/lab, jira. Infrastructure: Kubernetes (K8s), AWS, GCP, Supabase (familiar). Operating system: Linux, Mac.

EDUCATION

Bachelors of Engineering (2014-18) **Mumbai University (8.45/10 CGPA)** **President: FOSS society 2017 - 2018**