

AHMAD RUMI

SENIOR SOFTWARE ENGINEER · ENGINEERING LEAD

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Full-stack engineer and founder with 6+ years shipping production systems end to end — architecture, backend, frontend, infrastructure and release. Has led over 20 engineers across teams, and worked inside distributed product and engineering teams across Singapore, Hong Kong and Canada. Recent work spans a complete UK e-commerce and fulfilment platform designed and shipped solo, and LLM tooling built on OpenAI, Anthropic and Gemini models for analytics research and internal automation.

EXPERIENCE

Senior Software Developer · Polymath Analysis / Paceline

JAN 2025 – PRESENT

FULL-TIME · REMOTE

Research-led insurance analytics company, and its sister consumer health-and-wellness platform.

- Lead backend and frontend development across both products; own infrastructure, release planning and deployments.
- Shipped a body of internal tooling supporting the company's research output.
- Build LLM tooling on OpenAI, Anthropic and Gemini models — RAG pipelines and agentic automations for research and analytics workflows.
- Run code review, mentor engineers, resolve escalated technical problems.

Founder & Technical Lead · Rumination Labs

NOV 2024 – PRESENT

PART-TIME, ALONGSIDE FULL-TIME ROLE

Deep-tech software studio building and sustaining full-stack products for clients in e-commerce, education, health and gaming.

- Built and manage the team; own client contracts end to end — scoping, pricing, delivery and the client relationship.
- Delivered SupaTags, WordCraft and four concurrent contracts for Taskeen Health Initiative — a nonprofit previously served as an employee for four years.
- Advisory and consulting alongside delivery: architecture review, technical due diligence, and long-run maintenance of systems past launch.
- Still hands-on rather than purely managerial — sole engineer on the SupaTags platform.

Senior Full-Stack Developer · BlueMeg

NOV 2022 – DEC 2024

FULL-TIME · REMOTE

- Built the customer-facing front end of **Console**, BlueMeg's entity-management module — client portals, document library, registers, organisational charts and reporting — on a platform covering 20+ legal entity types and users in 70+ countries.
- Developed the platform APIs behind it and owned the **logs and audit-trail module**, where the record of who changed what is the compliance artefact rather than a debugging aid.
- Worked in direct partnership with product and engineering teams across **Singapore, Hong Kong and Canada**.

Atompoint — three progressive roles, full-time then part-time

JUL 2020 – JAN 2025

Advocate Developer · Nov 2022 – Jan 2025 · part-time

Authored the technical SOPs used across delivery teams; led code reviews and audits, mentored developers, unblocked teams on escalated problems.

Platform Engineering Lead · May 2022 – Oct 2022 · full-time

Ran multiple platform projects and their teams while contributing as senior developer.

Full-Stack Developer · Jul 2020 – May 2022 · full-time

Delivered React, React Native, Firebase, AppSheet, WordPress and Magento projects; scoped requirements directly with clients in a fully remote, self-directed environment.

Full-Stack Developer · Taskeen Health Initiative

SEP 2020 – OCT 2024

PART-TIME · NONPROFIT

Led all engineering for a Pakistani mental-health nonprofit: an AppSheet operations dashboard, a Next.js/Firebase web chatbot with admin console, and a Turn.io WhatsApp chatbot. The organisation later became a paying client of Rumination Labs across four contracts.

CONTRACT

Architected the platform and built the backend for an AI tech-tutor and career coach — gamified courses, tailored guidance, group projects. Led the development team.

SELECTED WORK

SupaTags — [supatags.co.uk](#)

SOLE ENGINEER · LIVE

2026

End-to-end e-commerce and fulfilment platform for a UK school name-label brand. In-browser design studio; Stripe Checkout over an idempotent, signature-verified webhook state machine; full and partial refund flows; Royal Mail Pro Shipping v4 label booking and end-of-day manifesting; admin fulfilment dashboard. Photo personalisation runs entirely client-side — ONNX background removal in a Web Worker with a custom alpha-matte refinement pass, so per-image processing costs nothing server-side. ~26,400 lines of TypeScript on Next.js 15 / React 19 and Supabase (Postgres, RLS, Auth, private Storage), across isolated production and development environments. **Designed, built and shipped solo in under two months.**

WINGS — Taskeen Health Initiative

LEAD · LIVE

MAR 2025 – PRESENT

GenAI wellbeing companion and analytics dashboard for schools, with crisis detection and helpline referral. Live across **13 schools reaching close to 3,000 students**, on a multi-institution deployment architecture, with further institutions planned.

WordCraft — [wordcraft.ruminationlabs.com](#)

PART-FOUNDER & TECHNOLOGY LEAD · LIVE

2025 – PRESENT

Telegram-native multiplayer word game: real-time battles, daily puzzles, leaderboards, collectibles and an in-game token economy. Led backend, frontend, infrastructure, releases and the delivery team. Live at v3.5.1.

Capture Cloud — [ahmad-erum.com](#)

PRODUCT OWNER & LEAD ENGINEER · LIVE

2025 – PRESENT

Custom event-invitation product sold by the studio: a themed site per event from a template layer, a personalised link per guest, and one register behind them. RSVP is per person *and* per event, with email/WhatsApp dispatch and live counts by side and status. One deployment ran three events off a **232-record register**. Next.js 15 / React 19 / Firebase.

Global School Payments

SOLE BACKEND DEVELOPER

2021 – 2022

Payment gateway for the international school market, launched in the UK on GoCardless. Owned backend architecture and payment-processor integration.

Timegram

LEAD DEVELOPER

2022

Time-tracking suite for remote organisations — Electron desktop activity agent plus React/Firebase portals across three role tiers. Scoped and planned the product from scratch.

Earlier work — EV-charging billing infrastructure (US/India), a Next.js platform for a leading Middle East digital agency, Pakistan’s first event-services marketplace, and a 3D motion-capture character-superimposition system built in the LUMS biomechanics lab — at [ahmadrumi.com](#).

TECHNICAL SKILLS

LANGUAGES	TypeScript, JavaScript, Python, SQL, C/C++
FRONTEND	React, React Native, Next.js, Electron, PWA
BACKEND	Node.js, Express, Next.js API routes, Firebase Cloud Functions
DATA	PostgreSQL, Supabase, Firestore, MongoDB, Row-Level Security
AI / ML	OpenAI, Anthropic, Gemini APIs; RAG pipelines; agentic tooling; on-device ONNX inference; neural networks (academic)
CLOUD & DEVOPS	AWS, GCP, Firebase, Vercel, CI/CD, multi-environment release management
INTEGRATIONS	Stripe, GoCardless, Royal Mail Pro Shipping v4, Turn.io/WhatsApp, Resend
DESIGN	Figma, Photoshop, Premiere Pro, After Effects

EDUCATION

BS Computer Science · Lahore University of Management Sciences (LUMS)

A Levels · Beaconhouse School System · Physics, Computer Science, Mathematics, Chemistry

2016 – 2020

2013 – 2015