

SALMAN FATAHILLAH

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WORK EXPERIENCE

Founding Software Engineer (Tech Lead) | CICON

(Remote) London, UK

Two-sided marketplace connecting shoe owners with professional cobblers.

May 2024 – Present

- Built the entire marketplace platform from scratch, leading a 3-person engineering team and owning architecture, code review, and delivery across 17 database models, 40 API endpoints, and 4 third-party integrations (Stripe, ShipStation, Twilio, Sentry).
- Shipped 3 major platform versions in 2 years in Next.js and TypeScript, currently leading the v3 rebuild for US market launch with a new component library and a migration from Prisma/PostgreSQL to Supabase.
- Designed a 19-state order lifecycle state machine covering intake, AI-assisted shoe analysis, quoting, amendments, shipping, repair, and completion, with every transition validated and audit-logged.
- Owned Stripe Connect payments end-to-end — PaymentIntent lifecycle, platform fees, coupons, and retry-safe payout logic — with idempotent webhook processing guaranteeing zero duplicate charges or payouts.
- Hardened Stripe and ShipStation webhook pipelines against real-world failures — retries, partial failures, out-of-order delivery — with signature validation, idempotency keys, and audit logging.
- Shipped an authenticated cobbler operations portal with order management and Twilio SMS/email notifications, enabling cobblers to run their full repair workflow without founder involvement.
- Authored 880+ commits (~80% of all commits) across the platform; instrumented production with Sentry monitoring, alerting, and webhook audit logs.

Data Analyst Assistant | Times Higher Education

London, UK

THE is the trusted global data partner for higher education

November 2023 – February 2024

- Verified Impact Rankings 2024 evidence submissions from 30+ universities across Indonesia and other countries against UN Sustainable Development Goal criteria.
- Promoted to the QA team within 2 months to review and refine other analysts' validation work across the project's datasets.

EDUCATION

University of Birmingham

Birmingham, UK

M.Sc. Data Science | Distinction

2021 – 2022

Institut Teknologi Bandung (ITB)

Bandung, Indonesia

B.Sc. Chemical Engineering

2016 – 2020

AWARDS

1st Place (£4,000) | UST D3code Hackathon 2024

London, UK

Built an AI-powered health guidance tool applying behavioural science for rural communities. October 2024

1st Place | Hallé Archive Hackathon

Manchester, UK

Used NLP on orchestral archive data to surface gender disparities in programmed compositions. April 2024

1st Place | Lincoln Hack

Lincoln, UK

Built a gamified mobile fitness app prototype.

March 2024

LANGUAGES & TECHNOLOGIES

Languages: TypeScript, JavaScript, Python, SQL, HTML/CSS

Frameworks & libraries: React, Next.js, Node.js, Prisma, FastAPI, Tailwind CSS, Jest, Playwright

Infrastructure & services: PostgreSQL, Supabase, AWS (S3, EC2), Vercel, GitHub Actions, Stripe, Twilio, Sentry