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Full UK right to work
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Sohaib Ahsan

Agentic Delivery Lead. Payments, identity and compliance.

PROFILE

Agentic Delivery Lead with 8+ years building production systems in payments, identity and compliance. I build the system that lets AI coding agents ship production code safely: requests become specs, agents build each item on its own branch, a review agent checks every diff, and a human approves every merge. That system lets me own a payments platform end to end as its only full-time engineer: 7,460 commits in a year, about 5,800 co-written by agents. On it I built KYC/AML compliance rails, card and crypto payments in several currencies, and multi-tenant OAuth 2.0 / OIDC / SAML identity. Full UK right to work, no sponsorship required.

Target roles: Senior Software Engineer, Lead Engineer, Staff Engineer, Backend Engineer (Node.js, TypeScript), Founding Engineer, Solutions Architect.

EXPERIENCE

Lead Technical Architect — Dec 2020 – Present

US cloud and payments platform · Remote · Contract, 30 hours a week

- Joined as product manager; now the platform's lead engineer and architect.
- Own the whole platform: planning, architecture, build, deployment, testing and operations. A NestJS monorepo plus LoopBack 4 services on PostgreSQL, Redis and RabbitMQ, on Docker and Kubernetes across several data centres, traced end to end with OpenTelemetry.
- Built compliance rails for regulated money movement: KYC with a production webhook lifecycle, OFAC/AML screening and audit trails, with per-step latency budgets.
- Built a single-session flow from sign-up through KYC, agreement and payment: a state-machine orchestrator across card, crypto, KYC and e-signature providers in several currencies. Ran a multi-round external test programme with testers in several countries before launch.
- Extended an open-source identity server into multi-tenant OAuth 2.0 / OIDC / SAML for SaaS and AI apps, with organisation roles, just-in-time provisioning and invitations.
- Built a webhook-driven stablecoin-to-fiat treasury pipeline designed to cut settlement from days to minutes (pre-production).
- Ship every platform module from a written specification, and operate a wide set of external services in production.
- Designed the team's delivery process for Claude Code agents: enforceable gates across design, build, security, deployment and testing, a second agent that argues against each plan, output checked against the spec, and a human approval on every merge. Now the standard for all production work.

Founder and Principal Engineer — Nov 2020 – 2025

UK software consultancy · Manchester · Part time (freelance since 2017)

- Led delivery on each engagement with a project-based contractor team. Profitable since year two.
- 12+ client engagements across fintech, e-commerce, Web3, healthcare and data visualisation, including a large Indonesian payment gateway and a digital racing business (API data into Power BI).
- Built SMIELS, a B2B business-management SaaS: 8 LoopBack 4 microservices on PostgreSQL, RabbitMQ, Kafka and Kubernetes, with QuickBooks, QuickFile and Zapier integrations and a white-label deployment. 30 business customers by 2021.
- Freelance on Upwork, 2018 – 2024: $100K+ across 30 jobs and 4,490 timesheeted hours, with 5.0 feedback on most long engagements. Angular, .NET and data visualisation (D3, ECharts, Highcharts, Power BI), and a paid contribution to the LoopBack 4 open-source framework.

Full Stack Developer (Angular, .NET) Jan 2018 – Jan 2021

US government SaaS company · Remote · Full time

- Built and maintained enterprise SaaS used by 200+ government and social-service agencies: housing-counselling case management, community services reporting and energy-assistance eligibility.
- Owned Angular framework migrations from legacy versions to modern Angular across the product suite, and built the APIs and dashboards between the systems.

PROJECTS

Donation ledger for a charity foundation 2026

- Append-only ledger with fund rules, database-enforced two-person approvals, encrypted national ID numbers and a hash-chained audit log; public appeal pages that name no family, donor or supplier.
- Astro on Cloudflare Workers, D1 with Drizzle, R2. Built with Claude Code from approved specs, tests first.

OPEN SOURCE

an Angular Universal plugin for Netlify, metric-aggregator-service (LoopBack 4), a D3 org-chart library with Angular, React and Vue wrappers, and teaching repositories for Solidity and gasless Web3.

SKILLS

Languages
TypeScript, JavaScript, SQL, C# / .NET, Solidity

Back end
Node.js, NestJS, LoopBack 4, Koa, Express, Bun and Hono, REST, GraphQL, WebSockets

Front end
Angular (to v21), React, Next.js, Tailwind, D3, ECharts, Highcharts

Data and messaging
PostgreSQL, Redis, RabbitMQ, Kafka, MongoDB, MySQL, Elasticsearch

Cloud and operations
Docker, Kubernetes, AWS, Azure, GCP, Cloudflare, GitHub Actions, OpenTelemetry

Payments and compliance
Stripe, BitGo, Circle, Persona KYC, OFAC/AML screening, audit trails, multi-currency settlement

Identity
OAuth 2.0, OIDC, SAML, JWT, multi-tenant RBAC, Logto, Azure AD

AI engineering
Claude Code and the Claude API in production, MCP servers, sub-agent orchestration, review gates, OpenAI API, RAG

EDUCATION

BS Information Technology, Government College University, Faisalabad, 2015 to 2019

INTERESTS

League cricket. I finished third in my league's wicket-takers.