

Zac Jerome

Fullstack Developer | Web3 · AI · Fintech

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PROFILE

Fullstack developer with 7+ years of experience shipping production software across Web3, AI, fintech, and real estate. I build end-to-end: smart contracts, ML pipelines, backend services, and polished frontend interfaces. My recent work includes a privacy-first DEX on Solana (encrypted order matching via MPC), an AI-powered property valuation platform, and integrated DeFi trading tools. 3+ years of business development at Adobe gives me a commercial lens most engineers don't have. I think about users, revenue, and why the product exists, not just the code.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, Framer Motion

Backend: Node.js, Python, Rust, REST APIs, WebSockets, PostgreSQL

Blockchain: Solana, Anchor, Arcium MPC, Light Protocol, ZK Proofs, Smart Contracts

AI / ML: Python ML Pipelines, NLP, Computer Vision, LLM Integration

Infrastructure: AWS, Docker, Vercel, CI/CD, Git

Design: Figma, UI/UX, Responsive Design, Design Systems

KEY PROJECTS

CONFIDEX: Privacy-First Decentralised Exchange

March 2026 | Solana Privacy Hack 2026 | confidex.xyz

- Built the first confidential DEX on Solana with encrypted order matching via Arcium MPC. Prices are compared on encrypted data without ever being revealed.
- Implemented Bulletproof range proofs for private on-chain settlement and ZK Compression (Light Protocol) for 400x storage cost reduction.
- Sub-3-second proof generation, full MEV protection, and regulatory-ready ZK compliance proofs.

Stack: React, TypeScript, Solana, Rust, Node.js, WebSockets, Arcium MPC, Light Protocol

ORION: DeFi Trading Platform

April 2025 | orion.trade

- Built an integrated trading platform consolidating 4+ separate tools into a single interface with real-time analytics, one-click execution, and portfolio tracking.
- Designed WebSocket architecture for real-time price feeds and a reconciliation layer for cross-source data consistency.

Stack: React, TypeScript, Solana, Rust, Node.js, WebSockets, Docker

PA-AI: AI Property Investment Platform

February 2025 | property-assistant-ai.vercel.app

- Built an AI-powered platform automating property research and generating instant valuations. Reduced research time from hours to minutes.
- AI valuations within 5% accuracy of manual appraisals. Confidence scoring system surfaces certainty and data sources behind every number.

Stack: Next.js, TypeScript, Python, PostgreSQL, AWS, Docker

AYO: DeFi Protocol

November 2024 | ayoprotocol.com

- Designed and built a full DeFi platform from smart contracts to frontend, focused on making complex financial operations accessible to mainstream users.
- Implemented transaction simulation so users see exactly what will happen before signing, reducing user drop-off during onboarding.

Stack: React, TypeScript, Solana, Rust, Node.js, PostgreSQL

Additional projects include NEXUS (blockchain supply chain platform, NDA), SYNTHWAVE (AI music generator), and CODA (digital art gallery with Cenonym). Full case studies at zacjerome.com.

EXPERIENCE

Fullstack Developer, Self-Employed

2020 – Present | Remote / Barcelona

Building end-to-end software products for clients across Web3, AI, real estate, and creative industries. Owning the full stack: architecture, smart contracts, backend, frontend, deployment. 30+ projects shipped across 5+ industries for 15+ clients ranging from startups to enterprise.

Business Development Representative, Adobe

December 2022 – Present | Barcelona

Driving new business acquisition for Adobe's enterprise software suite across the UKI region. Deep understanding of how enterprise software is sold, adopted, and valued. This perspective directly informs product thinking as a developer. Skills: B2B sales cycles, enterprise stakeholder management, SaaS go-to-market strategy, technical product positioning.

Project Manager & Website Developer, The Good Property Company

April 2020 – August 2023 | Remote

Led technical project management and built the company's digital presence from the ground up. Designed and developed the website for a property education company with 6,000+ students. Managed SEO strategy, content production, and marketing site. First professional development role.

English Teacher, What's Up! Living English

October 2017 – November 2022 | Barcelona

Taught English as a foreign language. Developed curriculum and adapted teaching methods to different learning styles. These skills translate directly to technical communication, documentation, and explaining complex systems clearly.

EDUCATION & CONTINUOUS LEARNING

Self-taught developer. Continuous learning through building production software, open-source contributions, and hackathons. Solana Privacy Hack 2026 participant. Active in Superteam (Solana), Base Builders, and AI/engineering communities.