

Krys Baniel

Full-Stack & Blockchain & AI Automation Developer

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PROFESSIONAL SUMMARY

Full-Stack & Blockchain & AI Automation Developer with **8 years of experience** building SaaS platforms, mobile wallets, ecommerce systems, and **AI-native automation** across **React, Flutter, Django, Next.js**, and **Solana**. Delivered white-label lead software used by **200+ businesses** and **30,000+ monthly end-users**, shipped multi-chain wallets on the **App Store and Google Play**, and built **Solana smart-contract tooling**, **WalletConnect** integrations, and **OpenAI**-powered lead and content automation for founders. Strengthened production reliability through **CI/CD pipelines**, **SonarQube** code-quality gates, and **Datadog/Sentry monitoring**, pairing secure on-chain UX with AI workflows that reduced manual founder work.

WORK EXPERIENCE

Freelance – Remote

Oct 2024 – Present

Full-Stack & Blockchain & AI Automation Developer

- Built a **Real Estate CRM** automation connecting **WhatsApp Business**, **Kommo CRM**, **OpenAI**, **Make.com**, and Google Sheets so agents capture and route leads without manual chat review.
- Used **AI lead intelligence** to extract budget, location, property type, and urgency from WhatsApp, then automated **Kommo** pipeline updates, **buyer-property matching**, **follow-ups**, Sheets logging, and team notifications.
- Built **Kit**, an AI-native **TypeScript** monorepo shipping **Next.js**, Expo, extension, and Electron apps with **better-auth**, **Stripe**, **Vercel AI SDK** chat, and agent docs (CLAUDE.md, lms.txt, OpenWiki) so founders launch multi-platform products faster.
- Developed a **Solana Token Launchpad** for **Raydium** and **Pump.fun** covering create, market ID, pool, liquidity, and first buy across 27 wallets, with **Jito** and **Flashbots** bundling plus testnet dry-runs before mainnet.
- Built **Pump.fun** alert, **copy-trading**, and volume bots that surface launches and wallet moves faster, improving reaction time for active **Solana** traders.
- Automated founder content pipelines for **AI text**, avatars, and video publishing to **TikTok** and **Reddit**, cutting repetitive posting work from daily operations.
- Built Kit frontend screens with **React**, **Next.js**, and Tailwind CSS and backend services with **Node.js**, **tRPC**, and **Drizzle** against **Supabase Postgres**, reducing duplicated UI and API logic across platforms.
- Configured **GitHub Actions** and **Vercel** CI/CD for Kit and wrote **Vitest** plus **Playwright** checks for auth and billing paths, catching regressions before production **Stripe** traffic.
- Deployed **Solidity** smart contracts to **Ethereum** and **Polygon** testnets for token swaps and liquidity routing through **Uniswap**, validating contract logic before **mainnet release**.
- Monitored **Solana** wallet and RPC connections across **Jito** and **Flashbots** bundling paths, tracking failed transactions and tuning retry logic to keep **sniper and launchpad bots** reliable during high-traffic launches.
- Owned full product cycles across freelance builds—from **requirements** through **frontend/backend** architecture, **APIs**, **auth**, databases, cloud hosting, **testing**, **release**, and ongoing maintenance.
- **Debugged** production issues, secured **access control** and data paths, tracked work in **Jira** under **Agile** sprints with **Git** pull requests and clear docs, improved **inherited codebases**, and picked up new stacks when they were the best fit for each client product.
- Shipped **Solana sniper** and **multi-wallet** trading bots with **RPC monitoring** and **automated buy/sell** paths so traders catch launches and rotate wallets without babysitting charts.

BankSocial – Remote

Jul 2023 – Sep 2024

Mobile & Blockchain Developer

- Built **BankSocial Wallet 2.0** from scratch with the founder—a **Flutter/Dart self-custody** wallet for Bitcoin, Ethereum, BSC, Polygon, and **Hedera** with **BIP39** multi-chain derivation, guest mode, and App Store / Google Play release.
- Implemented create/import **multi-wallet** flows with **flutter_secure_storage**, **local_auth** biometrics, session lock, screenshot-blocked seed backup, and **Hive/SQLite** persistence for non-secret wallet state.
- Shipped portfolio dashboard with USD totals, **send/receive** QR flows, asset import, **fl_chart** market intervals, and crypto/fiat transaction history filters for BTC, ETH, BNB, MATIC, **HBAR**, **BSL**, BUSD, and **rUSD**.
- Developed **Hedera** account creation, **HTS** association for **BSL/rUSD**, and full **HBAR staking**—node select, stake, change node, unstake, collect rewards, and rewards history—via Hedera network APIs.
- Integrated **WalletConnect v2** (QR/URI pairing) and a **webview_flutter** in-app browser with curated **BankSocial**, **DEX**, and explorer shortcuts plus warnings before unknown sites.
- Built **Verified KYC** center and jurisdiction-gated **fiat purchase** (amount, card, confirm) so only logged-in verified users buy crypto while keys stay **self-custodied** on device.
- Designed **DeRec recovery** with **Shamir**-style helper shares, **health checks**, redistribute flows, and **in_app_purchase** subscriptions so users restore wallets after device loss without a single seed copy.
- Architected production Flutter services with **flutter_bloc**, **dio**, **get_it**, **web3dart**, and **Fastlane/GitHub Actions** CI, validating signing on testnets before mainnet wallet releases.
- Established **Flutter integration tests** and **Firebase Crashlytics** monitoring in the BankSocial **CI pipeline**, catching wallet-signing regressions before **TestFlight** and **Play Console** beta rollouts.
- Added **SonarQube** static analysis across the **Flutter** codebase, flagging code smells and security issues in **wallet**, **staking**, and **recovery** modules before merge.
- Took BankSocial from **requirements** through **Flutter** frontend, chain APIs, secure auth, local databases, **App Store/Play** release, and post-launch **maintenance**, delivering sprint work through **Jira** and **Agile** ceremonies across iOS and Android.
- Investigated production wallet and chain-latency defects across Bitcoin, EVM, and Hedera, enforced **data-protection** and **access-control** practices, wrote maintainable **handoff notes** for wallet flows, and extended modules originally owned by other engineers.

Demand IQ – Remote

Apr 2022 – Jun 2023

Full-Stack Developer

- Developed **Demand IQ** white-label SaaS for home-services contractors on **Django**, DRF, MySQL, **React**, and **AWS**, scaling to **200+ businesses** and **30,000+ monthly end-users** across the full product lifecycle.
- Built the **React 17 Portal** with Material UI, Recoil, Chart.js, **SimpleJWT** auth, and role layers, shipping SaaS configuration so funnel, branding, pricing, and embeds publish live into **Stella** and **Stella v2** for **200+ tenants**.
- Delivered **Stella** branding, Spanish **i18next** localization, **ZIP** service areas, **dollar-per-watt** pricing, incentives, and **qualification** flows so each contractor funnel matches brand guidelines and screens out-of-area traffic.
- Integrated **Sungage/Sunlight** financing pre-qual, utility-bill upload, **Urjanet** hooks, **Calendly/Cronofy** scheduling, and Celery/**Twilio SMS** follow-up so bill-backed leads convert and appointments book without calendar conflicts.
- Built **Stella** on React/Redux and **Stella v2** on **Next.js/TypeScript/MUI** with chat widget and **OpenAI** persona controls, plus Google Maps, Solar API, Sunroof, and **custom domains** with Cloudflare validation.
- Wired **HubSpot**, **Zapier**, UTM, **Meta Pixel**/CAPI, and Google Analytics/Ads attribution, plus Portal **Experiments A/B** tests, **Instant Estimate API**, and **Stripe** billing/rewards for commercial operations.
- Extended **Hero** canvassing APIs and served Django with **Gunicorn**, Celery, and **AWS EC2/RDS/Lambda/CloudFront**, keeping Stella embeds stable under peak multi-tenant load for **30,000+ monthly users**.
- Configured **CI/CD** with **GitHub Actions**, staging-to-production deploys, and CloudFront invalidation, plus **Jest**, **Cypress** E2E, and **pytest** coverage for Portal, Stella, and Stella v2 paths.

- Added **SonarQube** static analysis and **Snyk** dependency scanning to the Demand IQ **CI pipeline**, blocking merges that dropped **code coverage** below threshold or introduced known vulnerabilities.
- Deployed **Datadog** monitoring and **Sentry** error tracking across **Portal**, **Stella**, and **Stella v2** services, cutting time to detect production incidents affecting tenant funnels.
- **Mentored junior developers** on **Django REST** patterns, React Portal forms, **Jira** ticket breakdown, **code reviews**, and **Agile/Scrum** delivery so new engineers shipped funnel and reporting work with fewer production defects.
- **Debugged** tenant production issues, applied **access-control** and **data-protection** practices, collaborated over **Git** and **Jira** sprint boards with readable code, and improved modules originally built by other developers as the product evolved.

MAD Elevator – Remote

Feb 2020 – Mar 2022

Web & Mobile Developer

- Built the **MAD Elevator Design Center** spanning web configurators, **Online Store**, marketing site, and **Android/iOS** apps, replacing sample-case visits so contractors design, quote, and order in one continuous sales path.
- Developed the **Elevator Configurator** for cab interiors, **COP**, and **hall fixtures** with presets, **panel editing**, finishes, and graphic attach, letting sales brand glass/mirror panels on-screen and cut hours of offline mockup work before **PDF export**.
- Implemented **Save/Save As** reopen flows and server-side **PDF generation** with **PHP Imagick** compositing and **TCPDF**, emailing cab/COP/hall pages that sped customer approval and reduced screenshot-based back-and-forth.
- Developed the **PHP/jQuery Design Center** with **sign-in**, sign-up, and forgot-password so contractors keep saved projects under authenticated sales workflows and stop losing designs across shared browsers.
- Built the **MAD Online Store** for contractor pricing, **MAD credit** checkout, cart, parts search, and **QR Assembly Lookup**, cutting offline purchase orders for replacement fixtures and shortening reorder cycles.
- Shipped **Android (Java)** and **iOS (Objective-C/Swift)** **MAD Configurator** apps with cab, pushbutton, hall, **COP**, **Touch-To-Go**, camera graphics, **PDF viewer**, **Site Survey**, and **Quick Quote**, so reps close field meetings without returning to the office for samples.
- Built the **React** marketing frontend on **Strapi CMS** for specialties, solutions, products, specialists, and news, so **madelevator.com** content ships without engineering deploys and marketing iterates faster between campaigns.
- Directed **MAD Elevator** delivery from **requirements** through **web/mobile architecture**, **PHP APIs**, auth, databases, **PDF testing**, and **Fastlane/Jenkins/TestFlight** release in **Agile/Jira** sprints, shortening App Store and Play hotfix cycles for field-blocking bugs.
- Standardized automated regression testing in **Jenkins** for **cab**, **pushbutton**, and **hall configurator flows**, reducing manual QA time before each release.
- **Debugged** field and store production issues, applied **secure development** and **access-control** practices, kept **Git** history readable for the next engineer, and extended inherited **configurator** code so sales features shipped without rewriting the Design Center from scratch.

Guidewire – Remote

Jun 2017 – Jan 2020

Software Developer

- Built client websites on **WordPress**, **Wix**, and **Shopify** at **Guidewire**, turning brand requirements into public sites that load cleanly and convert visitors into inquiries.
- Customized **Shopify** themes and **WordPress** **PHP/Liquid** templates with **HTML5**, **CSS3**, and **JavaScript** for catalog, cart, checkout, and forms, improving mobile readability and reducing plugin conflicts.
- Configured **SEO** plugins, **LiteSpeed** caching, and **CDN** delivery, improving search visibility, **TTFB**, and **Core Web Vitals** on traffic-heavy marketing pages.
- Created **reusable page blocks** for non-technical editors and delivered work in **Agile** sprints with **Jira** tracking and **staging-to-production** releases, cutting developer dependency for routine content updates and reducing last-minute launch defects.

- Validated markup and functionality with **PHPUnit** tests and **cross-browser QA** checklists before each launch, catching regressions in **cart and checkout flows** ahead of client campaigns.
- Debugged post-launch form, theme, and **responsive layout** defects and ran cross-browser plus **Lighthouse** checks before launch, restoring **lead capture** and **checkout** paths before client campaigns went live.

EDUCATION

National Taiwan University

Sep 2013 – Jun 2017

Bachelor of Science in Computer Science

PROFESSIONAL SKILLS

- **Frontend:** React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3, Flutter, Bloc, Expo, React Native, Responsive UI
- **Backend:** Node.js, Django, Python, Spring Boot, Laravel, PHP, tRPC, REST APIs, GraphQL, Celery, Kafka, Redis
- **Cloud & DevOps:** AWS EC2, RDS, Lambda, CloudFront, Vercel, Supabase, Docker, Kubernetes, Jenkins, GitHub Actions, Fastlane, CI/CD, Nginx, Datadog, Sentry, Firebase Crashlytics
- **Testing & Quality:** Jest, Vitest, pytest, Cypress, Playwright, Flutter Test, JUnit, XCTest, PHPUnit, SonarQube, Snyk, Unit Testing, Integration Testing, E2E, TDD, Agile/Scrum, Jira, Sprint Planning, Code Reviews, Git
- **Blockchain & Web3:** Solana, Ethereum, Hedera, Polygon, Solidity, WalletConnect, web3.js, BIP39, Jito, Flashbots, Uniswap, Testnet Validation, Mainnet Release
- **Data & Storage:** PostgreSQL, MySQL, MongoDB, SQLite, Hive, Drizzle ORM, Supabase
- **AI & Ecommerce:** Vercel AI SDK, OpenAI, ChatGPT, Make.com, n8n, Kommo CRM, WhatsApp Business, Shopify, WooCommerce, BigCommerce, WordPress, Stripe, Klaviyo