

# Colin Rhys

**Github:** [github.com/ColinRhys](https://github.com/ColinRhys)

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Software Developer with a track record of success working on projects for Fortune 500 firms and smaller boutique firms. I chose a career in the tech field because it constantly evolves, and as a developer, I have the unique opportunity to continuously learn and bring my creative thinking skills to bear on thorny problems. My passion for coding began in college, where I earned my degree in Economics after I learned I could create my own Python scripts to test stock trading ideas.

## Technical Skills

- Languages: Rust, TypeScript, JavaScript, C#, Java, Python, Go
- Frameworks: Actix-web, Anchor, Node.js, Next.js, React Native, Expo, Rocket, Dropwizard, Spring Boot, Django, Flask, .NET Core
- Front-End: React, Next.js, Vue.js, Bootstrap, HTML, CSS, jQuery, Thymeleaf, Yew.rs
- Databases: SQL, PostgreSQL, MongoDB, Firebase, Supabase, Prisma, Redis
- Other: Docker, Kubernetes, Diesel ORM, Auth0, Git, GitHub, Linux, VIM, Microsoft Azure, AWS, Ivanti, Jira, Asana, Figma, Bloomberg Terminal, WordPress, Gradle, Google Search Console, Azure App Services, Azure SQL, Azure Storage, Mockito, Prisma, TailwindCSS, MailGun, Internet Computer, Akash, Secret Network, RevenueCat, Sentry, Resend, Railway

## Projects

- Bad Email Crate: I created a Rust Cargo Crate that takes in an email as a variable and then compares the email domain to a list of over 10,000 known disposable emails. The crate has over one thousand downloads and a contribution from someone other than myself online.
- Hello Charla (HelloCharla.com): An iOS language learning app focused on real-world conversation practice. Built end-to-end as a sole developer – mobile app (React Native / Expo), REST API (Node.js / Express / Typescript), and marketing landing page (Next.js). Implemented full authentication with Auth0, including Sign in with Apple and Google OAuth, RevenueCat subscription billing, real-time speech recognition, AI-powered practice sessions, and a spaced repetition flashcard system. Deployed to App Store via EAS Build / Testflight with Railway-hosted backend, Supabase/Postgres database, and Redis-backend background workers for streak processing and email digest.

## Work Experience

- AlphaFC, Remote, Lead Developer, July 2025 to February 2026, Fulltime
  - Led development of a production Solana dApp ecosystem from concept to deployment, owning both on-chain programs and full-stack infrastructure.

- Designed and implemented Anchor-based Solana programs supporting token launches, auction-style primary sales, and on-chain governance voting.
  - Built custom launchpad smart contracts utilizing Program Derived Addresses (PDAs), Cross-Program Invocations (CPIs), and SPL token integrations.
  - Architected token lifecycle flows, including minting, treasury routing, contribution tracking, refunds, and claim distribution, fully on-chain.
  - Integrated Solana RPC infrastructure for transaction indexing, balance tracking, and real-time state synchronization. First Privy and then Phantom, connect both via a Coinbase onramp.
  - Implemented wallet onboarding supporting both externally connected wallets and server-managed wallets for non-crypto native users.
  - Designed USDC funding flows and fiat on-ramp integrations, enabling seamless participation in token sales.
  - Coordinated token deployment, contract verification, and launch readiness, including audit preparation and operational rollout.
  - Researched and evaluated secure custody models, multi-wallet architectures, and compliant payment/on-off-ramp integrations.
- Private Consulting, Remote, Senior Developer, March 2023 to July 2025, Contracts
    - Various projects, including the following
      - Lead Backend Developer
        - Decentralized Infrastructure: Designed and implemented backend systems using Rust, Internet Computer (ICP) Canisters, Secret Network, and Akash for secure and scalable decentralized file storage.
        - Smart Contract Development: Created contracts for NFT projects, enabling token minting, ownership tracking, and secure marketplace functionalities.
        - Governance Mechanisms: Architected tokenized funding and voting systems using smart contracts, fostering collaborative governance and transparent resource allocation.
      - Lead Developer / Product Lead
        - A reservation marketplace app like Appointment Trader or Cita Marketplace.
        - Reviewing Rust and TypeScript-based code to ensure it meets business requirements.
        - Manage the board and sprints for all the developers.
      - Lead Backend Developer
        - Review of code for NFT MasterCard approved code base
        - I was hired to review the work of other developers by the owner of the project
      - Lead Full Stack Developer
        - Built Rust-based Actix-Web APIs, managed data with Diesel ORM and PostgreSQL, and developed interactive UIs with React / Next.js.
        - Platform Deployment: Integrated Auth0 for authentication, Stripe for payments, and deployed scalable applications on Digital Ocean using

## Docker and Kubernetes.

- Node40, Remote, Backend Developer, April 2021 to January 2023, Fulltime
  - Was the first hire to work with the one other backend developer.
  - Improved legacy code base, added new features and functionality to existing code, and built a new API almost exclusively Java12.
  - Worked with third-party APIs and worked on a wide variety of user issues associated with different 3<sup>rd</sup> party APIs and cryptocurrency exchanges.
  - Built many integrations for 3<sup>rd</sup> party cryptocurrency exchanges.
  - Helped design in the integration process with the on-shore and off-shore teams.
  - Only developer who brought it leads.
- Private Contract, Remote, Consulting Manager, November 2020 to April 2021, Consulting
  - Two separate contracts
    - First
      - Manage the development team for a well-established digital design agency located in Chicago.
      - Additionally, work on creating processes for the development team to increase efficiency and profitability.
      - Work directly with multiple departments and stakeholders.
    - Second
      - Developed Docker container to run fintech Java stack in Tomcat for deployment into Kubernetes.
      - Worked with Java unit and integration tests demonstrating the functionality of fintech backend code.
      - Worked with Python and Java codebase prototyping API integration for account enrichment.
- Kirkland and Ellis LLP, Chicago, Illinois, Application Engineer, December 2019 to June 2020, Fulltime
  - Hired full-time as key to achieving success with a mission-critical project for Kirkland Ellis; only employee of Theron approached to become a Kirkland employee.
  - I continued to work on the same project firm-wide C# .net Core project I was initially working on as a Theron employee, in addition to other firm-wide projects using other technologies.
  - Served on a team developing an additional firm-wide application using the same third-party software, working collaboratively to define key processes and establish procedures.
  - Consulted with end users, project stakeholders, and directors to determine project requirements, find efficiencies, problem-solve, and establish timelines.
- Theron Technology Solutions, Chicago, Illinois, Developer, January 2019 to December 2019, Contract
  - Consultant for Theron on a Kirkland and Ellis firm-wide C# .net core project.

- Sole developer resource on the Theron team for a key Kirkland and Ellis project.
- Worked directly with client-side project managers, developers, end users, and directors on the project to ensure user requirements were met or exceeded.

### Education

- University of Tampa, Summer 2015, B.A. Economics

### Licenses

- Series 3, Expired