

# Eduard Shavyrko — CV

Senior React / TypeScript engineer · architectural depth · AI-leveraged delivery · 6+ years

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## SUMMARY

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Senior React engineer who owns frontend architecture end-to-end and brings modern AI-leveraged delivery to senior IC work. Designs custom Claude Code skills and methodologies that scale architectural analysis on real client codebases. LATAM-remote with full US-business-hours overlap. Available for B2B SaaS and AI-native startup engagements.

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## WORK EXPERIENCE

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### Monetarium Explorer — Block explorer for the Monetarium blockchain

Frontend & Project Lead · Mar 2026 – present · Remote · Contract

Solo FE + Architecture / Methodology Lead on a 3-person team adapting a 10-module Go-backed block explorer (derived from `decred/dcrdata`) to the Monetarium multi-coin chain (VAR + up to 255 SKA coin types).

- **Built two custom Claude Code skills** (`mutation-analyzer`, `generate-tasks-json`) plus a Node automation tool that scaled architectural analysis and bulk GitHub-issue creation across the 10-module codebase. The `mutation-analyzer` has a 5-mode state machine (`Interview` → `Explore` → `Synthesize` → `Consolidate` → `Lint`), a strict 10-section synthesis template, and an evaluation harness. Sanitized, harness-agnostic versions published at [github.com/edshav/skills](https://github.com/edshav/skills).
- **Curated a 30+ document architectural wiki** under a methodology I designed: per-area data-flow traces, mutation-impact analyses, pattern catalogs, and a cross-cutting constraint taxonomy linked from every flow.
- **Delivered ~12 page/feature adaptations**: address page multi-coin rewrite (per-coin balance / charts / CSV, `?coin=` URL contract via `coinctx` middleware), SKA-supply

charts with big-integer precision, mempool multi-coin aggregation, /parameters and /attack-cost Monetarium-specific adjustments.

- **Cross-stack WebSocket work:** migrated the backend WebSocket library to coder/websocket (replacing a deprecated dependency) via AI-assisted Go work; on the FE, worked extensively in the WebSocket Stimulus controllers powering live block / mempool / address updates.
- **Modernized the ~6-year-stale FE toolchain** (Webpack + plugins + lint / format) and **introduced Vitest as the FE test framework** — the project had no FE tests when I joined.
- **Introduced the team's process scaffolding** from a Telegram-only starting point — GitHub Issues + Project board, daily standups, written specs, agentic AI coding tooling — and drove sprint planning, issue triage, and a “contract-is-the-seam” feature decomposition (1 Feature → 1 parent issue + [DATA] + [UI] sub-issues).

**Stack:** Webpack, SCSS, Hotwired Stimulus, WebSocket, Vitest, Go HTML templates; Go + PostgreSQL backend (read and understood); Claude Code skills, Node.

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## Career break — international relocation

Feb 2025 – Feb 2026 · Buenos Aires, Argentina

Deliberate pause overlapping international relocation to Argentina (settled as legal resident). Returned to work in March 2026 on the Monetarium engagement.

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## Wezom — Oil & Gas ERP for US client

Senior Frontend Developer · Jan 2022 – Feb 2025 · Remote · ~3 years across 2 phases

Senior FE on a 12-person delivery team for an anonymized US oil & gas client (~1,500 employees, 17 offices). Two sequential phases on the same engagement: Billing MVP, then FE lead on the CRM sub-system.

- **Phase 1 — Billing MVP (~14 months).** Led the FE team (3 devs) building the FE from scratch. The MVP **converted the 1,500-employee client into a multi-year ERP engagement** — the headline business outcome.
- **Phase 2 — CRM sub-system (~22 months).** Lead FE on CRM. Owned architectural calls for the sub-system (state shape, module boundaries, conventions, technology choices) while the company's FE tech lead operated at cross-ERP coordination level.

- **Monorepo with horizontal shared modules.** UI library, date utilities, validation library lived as Turborepo packages consumable by any ERP sub-system; sub-system business logic stayed in its own module.
- **URL as source of truth for view state.** Multi-step forms persist step state in query params + a server-side draft; data tables persist sort / filter / pagination in query params. Refresh-safe, tab-close-safe, shareable URLs.
- **Customized AntD data-table system — the headline FE complexity on CRM.** Server-side sort / filter / pagination with URL persistence, column resize / reorder / hiding with persistence, inline editing. AntD components were extended directly (not wrapped behind a facade), requiring deep familiarity with AntD's internals.
- **Analytics-view configuration wizard.** 6 step form with URL + server-side draft state, conditional step branching, per-step validation via React Hook Form + Zod. Back / refresh / accidental tab-close all recover.
- **Dropdown perf for large option lists.** Server-side pagination + server-side search inside dropdowns — option list stays small regardless of total option count.
- **Followed by Wezom Gamify (Oct 2024 – Feb 2025).** Moved to Wezom's Gamify SaaS — a workplace-engagement product with back-office and front-office portals — for the final ~5 months of my Wezom tenure. Senior FE + mentor on a 5-person team; built dashboards for tasks, achievements, and leaderboards with MUI + Chart.js; shared UI component library and common libs across both portals via Turborepo; mentored the team's junior FE.

**Stack:** React, Next.js, TypeScript, Apollo Client, GraphQL, Ant Design (heavily customized), React Hook Form, Zod, Storybook, Turborepo, React Testing Library, MUI, Chart.js.

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## FreeUA — Banking service-message viewer (legacy → React rewrite)

**Frontend Developer** · Oct 2020 – Mar 2021 · Remote · ~6 months

**Solo FE on a 4-person team** rewriting a legacy Java + jQuery monolith's frontend as a greenfield React.js app. Product was a real-time **service-message viewer** for the financial sector — server-pushed events rendered as a live data table with filters and search. Shipped a working MVP.

- **Greenfield React rewrite.** Full-replacement cutover (not strangler); the new React FE shipped as the switched-on replacement of the legacy UI layer. Backend stayed Java.
- **End-to-end FE ownership.** Module structure, component design, real-time message handling, and FE-stack choices were all mine — no senior FE on the project to defer to.

- **Real-time service-message data table.** Incoming messages stream in over Socket.IO; the UI renders them as a live, sortable data table with filters and free-text search on top.

**Stack:** React.js, Socket.IO, SCSS modules.

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## Earlier Roles

- **Unit Space** — Frontend Developer · Apr 2021 – Dec 2021 · E-commerce admin panel + storefront on a 5-person team. Stack: React, Redux Toolkit, REST, Ant Design.
  - **LETSBAR** — Frontend Developer · Nov 2019 – Sep 2020 · Solo FE on a reservation web app for restaurants / cafés / bars. Stack: React, Next.js, Redux, SCSS.
  - **Mine Cards** — Frontend Developer · Jun 2019 – Sep 2019 · First commercial role. FE for a social-network MVP with marketplace features. Stack: React, SCSS modules, Redux, Firebase.
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## SKILLS

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- **Languages & Frameworks:** TypeScript, JavaScript, React.js, Next.js
  - **State Management:** TanStack Query, Apollo Client, Redux Toolkit
  - **API Integration:** GraphQL, REST, WebSocket, Socket.IO
  - **Performance Optimization:** SSR, caching, lazy loading
  - **Data Visualization:** Chart.js, ECharts, Recharts, Leaflet
  - **Testing & CI/CD:** Vitest, Jest, React Testing Library, Playwright, GitHub Actions
  - **UI Libraries:** Ant Design (deep customization), MUI, Storybook, Tailwind CSS
  - **Architecture & Code Organization:** Monorepo (Turborepo), URL-as-source-of-truth view state
  - **AI-leveraged development:** Custom Claude Code skills, agentic coding workflows, AI-assisted cross-stack delivery
  - **Project Management:** GitHub Projects, Agile / Scrum
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## SELECTED PUBLIC WORK

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- [github.com/edshav/skills](https://github.com/edshav/skills) — harness-agnostic SKILL modules for AI coding agents: mutation-analyzer (mutation-oriented code analysis with a 5-mode state machine), generate-tasks-json (contract-as-seam GitHub-issue planning), github-cli (gh-discipline baseline). Drop-in for Claude Code, Codex, Cursor, Aider.
  - [github.com/edshav/next-redux-saga-typescript](https://github.com/edshav/next-redux-saga-typescript) — Next.js + Redux + Saga + TypeScript reference example (20★).
  - [github.com/edshav/ai-global-settings](https://github.com/edshav/ai-global-settings) — tooling that composes SKILL modules from multiple sources into one agent's global settings via git submodules + a TypeScript build pipeline.
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## EDUCATION

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**Bachelor's Degree in Mechanical Engineering** — Kharkiv University, Ukraine