Hadi Mobarra

Front-End Engineer · React & TypeScript for Data Platforms

Remote · Tehran (UTC+3:30, overlaps EU business hours) · +98 914 748 2284 · hadimobarra@gmail.com · Website · GitHub · LinkedIn

SUMMARY

Front-End Engineer with 4 years of experience building complex, data-intensive web applications in React and TypeScript, specialising in data-governance, data-catalog and ETL interfaces. **Upstream contributor to Apache Superset** and builder of custom features on OpenMetadata. Strong in owning features end-to-end, multi-GB file handling, access control, performance and i18n/RTL. Works comfortably in async, distributed, cross-functional teams; open to remote full-time or contract roles.

TECHNICAL SKILLS

Languages	TypeScript · JavaScript (ES2024) · HTML5 · CSS3
Frameworks / State	React 18 · Zustand · Redux / Redux Saga · React Query · Next.js
UI / Styling	Ant Design · Tailwind CSS · Material UI · Sass · i18next · RTL layouts · Accessibility
Data / Protocols	Apache Superset · OpenMetadata · ETL pipelines · REST APIs · JSON Schema forms · Uppy.js · TUS
Tooling / DevOps	Vite · Webpack · Jest · Git · GitHub Actions CI · Docker · Nginx · Linux
Ways of working	Agile/Scrum · Async collaboration · Code review · Technical writing

EXPERIENCE

Front-End Engineer — Adin · *Data governance & ETL platform* *Apr 2023 – Present*

- **Owned end-to-end delivery of the Add Pipeline page**, an interactive UI for orchestrating ETL ingestion stages, from requirements and component architecture through API integration, validation and production release.
- **Architected a resumable large-file upload module** (CSV, TSV, JSON, Excel) on Uppy.js and the TUS protocol, enabling reliable multi-GB transfers with pause/resume and automatic retry.
- **Built the Data Catalog, Mapping Table and Mapping Column UIs** (Databricks-inspired) that let users visually define entity relationships and discover, tag and govern enterprise datasets.
- **Replaced a static permission model with a Role Management module** supporting dynamic, fine-grained access-control rules, enabling self-service governance for admins.
- **Built a glossary review & approval workflow** that enforces governance policies with a full audit trail.
- **Led full Persian (RTL) localisation** across the product with i18next and extended the metadata schema for bilingual (Persian/English) data.
- **Improved load time and runtime stability** through code-splitting, lazy loading and memoisation across heavy data views.

Stack: React, TypeScript, Zustand, Ant Design, Tailwind CSS, Uppy.js, TUS, i18next, Git

Front-End Developer (Graduate Internship) — MCI (Hamrah-e Aval) *Nov 2022 – Apr 2023*

- Built features for production telecom dashboards in a large enterprise codebase using React, Redux Saga and Material UI.
- Implemented responsive components following design-system guidelines; worked on Webpack builds and Docker/Nginx deployments.

Stack: JavaScript, React, Redux, Redux Saga, Material UI, Sass, Webpack, Docker, Nginx

OPEN SOURCE

Apache Superset — Upstream contributor · PR #44529

- Fixed a long-standing Safari bug (issue #28713) where chart and dashboard image exports came out blank: routed capture through html2canvas while preserving ag-grid print layout, handled WebGL maps (deck.gl, Mapbox, MapLibre), added lazy-loading and Jest tests, and iterated through maintainer review.

OpenMetadata — Custom features on a v1.7.0 fork (via Adin)

- Built an **ETL Pipeline Editor from scratch** (structured canvas with live YAML preview), i18n schema-translation tooling for JSON Schema-driven forms, and fixed RTL layout and state bugs across entity and pipeline pages.

EDUCATION

M.Sc. Computer Engineering — Iran University of Science and Technology *2022 – 2024*
B.Sc. Computer Engineering — University of Mohaghegh Ardabili *2017 – 2021*

Honors: Member, National Elite Foundation