

Mohamed Yahia

Full-Stack Developer

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Full-stack developer working in TypeScript, React and Node.js. At GrapesJS I merged 55 pull requests into the open-source editor framework, including a rewrite of its drag and drop engine and the data binding the commercial product is built on.

Work Experience

UX Pilot, Senior JS Developer

Jun 2025 - 2026 | New York, USA (Remote) | Contract

- Built the front-end editor for UX Pilot, an AI interface design tool at **\$5.3M** ARR.
- Added selection-scoped editing, so a user can highlight part of a generated design and describe the change in words. The model rewrites only that region.
- Extended the generation model's output to synced HTML components, so a generated screen arrives as editable elements rather than a flat export.

Habitat AI Inc., Contract Engineer

Dec 2025 - Apr 2026 | New York, USA (Remote) | Contract

- Built myself a tool that automated the labelling through LLM API calls, instead of working through the datasets by hand.
- Annotated labelled datasets directly for the annotation pipeline.

GrapesJS, Full Stack Engineer

Aug 2024 - Nov 2025 | California, USA (Remote) | Full-time

- Merged **55** pull requests into the open-source editor framework, which has **26k** stars and is the base for the commercial product.
- Rewrote the drag and drop sorter, replacing a single file with a node tree and a separate drop-location resolver across **26** files.
- Added data binding to the framework over **19** PRs, then built the same feature for the paid SDK and the B2C editor and co-wrote its reference documentation.
- Shipped template import for Mustache, EJS, Handlebars, Nunjucks and Liquid, letting teams bring existing templates into the editor.
- Built global styles in the SDK with a teammate, where one change propagates to every page in a project.

Datopian, Full-Stack Developer

Nov 2023 - Jul 2024 | California, USA (Remote) | Full-time

- Maintained MarkdownDB and Flowershow across **37** merged PRs, working in the open with outside contributors.
- Designed and built the onboarding flow for DataHub Cloud, which took over **60** users through setup.
- Added computed fields and document types with schema validation to MarkdownDB, plus the hot reload that made it usable while writing.
- Shipped analytics for **4** providers in Flowershow behind a single config key.
- Set up CI, integration tests and unit tests for the projects I maintained.

Independent Contractor, Full-Stack Developer

Nov 2022 - Oct 2023 | Remote | Contract

- Built a price comparison app on Google Cloud, with a Google Shopping scraper feeding it competitor pricing.
- Shipped a Chrome extension and a VSCode extension.
- Wrote a textbook management app for organising course material, and a time tracking tool with note-taking and switchable themes.
- Smaller one-off builds: a word cloud generator, a landing page and a Trachtenberg arithmetic trainer.

- Cut contract preparation time by **50%** for the data entry team, which is what let Rechat take on more regions.
- Traced broken e-signature forms to fillable fields embedded as JavaScript inside the PDF files, which the document pipeline was not detecting.
- Repaired hundreds of contract and disclosure PDFs that customers could not sign or complete online.
- Built the contract and signing endpoints behind the client apps, plus an internal tool that turns an uploaded PDF into a signable one.
- Rebuilt document search and the signing page itself.

Skills

Languages: TypeScript, JavaScript, HTML/CSS, SQL

Frontend: React, Next.js, Backbone, Responsive design

Backend: Node.js, PostgreSQL, Prisma, API design

Infrastructure & Tooling: CI/CD, Git, Jest, Figma, AWS (basics), Docker (basics)

Practice: Refactoring, Performance, Accessibility, Open-source maintenance

Maintainer duties: Issue triage, Pull request review, Community feedback, Contribution guidelines

Communication: Asynchronous communication, Cross-timezone collaboration, Written technical updates

Open Source Contributions

121 pull requests merged into 24 repositories owned by other people, Jun 2021 - Oct 2025, +25,885 / -8,835 lines of hand-written code. Full list with links at mohamedyahia.com/contributions

- **Rebuilding drag and drop** (GrapesJS/grapesjs): 17 PRs. Refactor sorter; Add Canvas Component Dragging API.
- **Data sources and data binding** (GrapesJS/grapesjs): 19 PRs. Add collection components; Add conditional variables.
- **Scrollable canvas** (GrapesJS/grapesjs): 4 PRs. Add auto scrollable canvas.
- **Internals, types and performance** (GrapesJS/grapesjs and 2 more): 18 PRs. Performance improvements; Add types.ts for device manager.
- **MarkdownDB** (flowershow/markdowndb and 1 more): 28 PRs. Merge v2 into main; #55 , Data Validation and Document Types.
- **Flowershow and PortalJS** (flowershow/flowershow-app and 3 more): 9 PRs. Add image size adjustment in remark-wiki-link; Add support for plausible, simpleanalytics, Google, PostHog analytics.
- **Upstream fixes to widely used libraries** (mjml/mjml and 1 more): 3 PRs. Add the ability to copy a pdf.
- **Panora** (panoratech/Panora): 10 PRs. Add login/registration forms; Add pagination for events table.

Education

- **Bachelor, Medicine and Surgery**, Qena University (formerly South Valley University) (Oct 2019 - Expected Mar 2027)