Daniel Perez Alvarez

Software engineer with a focus on front-end web development. Experienced in starting projects from scratch, as well as maintaining large legacy codebases.

📞 *(+1) 206 698 6781*   ✉ *unindented@gmail.com*

Experience

Jan 2023 – Present   **Senior Software Engineer II** at **Snowflake** (Bellevue, WA)

I've worked on integrating *Streamlit into Snowflake*, and on building *Snowflake Notebooks*, using TypeScript, React, and Redux.

- Improved Streamlit's viewing and sharing flows by simplifying the access control model, which increased daily usage of the product.
- Added LLM-powered features to Worksheets' and Notebooks' editing surfaces, focused on helping users understand and optimize SQL queries.
- Contributed to the wider Product Engineering organization, improving the modularity and testability of the codebase.

Apr 2021 – Jan 2023   **Staff Software Engineer** at **Twitter** (Seattle, WA)

I led the web implementation of *Super Follows* from ideation to public preview, using Flow, React, Relay, and GraphQL

- Developed from scratch the application, onboarding, and management flows that allowed users to become Super Follows creators, and manage their offerings.
- Developed from scratch the subscription payment flow, backed by Stripe.
- Onboarded and mentored three other web engineers on the team.
- Contributed to the wider Twitter web community by educating other engineers on Relay, improving and rewriting unit tests, and helping with accessibility audits.

Dec 2018 – Apr 2021   **Principal Software Engineer** at **Microsoft** (Redmond, WA)

I led the rewrite of Yammer's web client (a.k.a. *New Yammer*), using TypeScript, React, Redux, and GraphQL.

- The visual refresh, coupled with new features and integrations that addressed top customer needs, garnered a lot of positive press, and boosted engagement metrics.
- Scaled the codebase to 30+ engineers with different skill levels.
- Maintained quality through tooling, using Jest, ESLint, and Puppeteer.

Feb 2017 – Dec 2018   **Senior Software Engineer** at **Microsoft** (Redmond, WA)

I relocated to Microsoft's offices in Redmond, but kept working on Yammer's main web client.

- Worked on migrating the codebase from legacy technologies like jQuery and Backbone, to React and Redux, in order to improve developer productivity and happiness.

- Developed Yammer's desktop client from scratch, using Electron and TypeScript.

- Pitched a rewrite of Yammer's web client, with documents explaining the new architecture and the general plan we'd follow. Senior leadership accepted the proposal, and staffed it with me as lead engineer.

Oct 2012 – Feb 2017   **Senior Software Development Engineer** at **Microsoft** (London, UK)

After the acquisition by Microsoft, I kept working on Yammer's main web client, developing features and improving the maintainability of the ~220KLOC front-end codebase.

- Helped introduce peer-reviewed pull requests into the workflow, improving communication among developers, and progressively reducing technical debt.

- Migrated a four-thousand-line custom build process to Webpack, reducing maintenance costs, and allowing for the introduction of productivity-enhancing tools like TypeScript.

- Prototyped an alternative web client, using React and Redux, and a desktop client, using Electron.

- Gave internal talks on various topics, including React, Redux and Webpack.

Jul 2012 – Oct 2012   **Software Development Engineer II** at **Yammer** (London, UK)

Yammer is an enterprise social network. As an early hire for their London offices, I worked on the development of Yammer's main web client.

- Led the development of key features, collaborating with product managers, designers, front-end and back-end engineers, and data analysts.

- Shipped projects and measured their impact on user engagement and other metrics, making heavy use of feature flags and A/B testing.

- Started the migration from an undocumented and untested internal MVC framework to Backbone, speeding up development, and making onboarding of new hires much easier.

- Improved the quality and consistency of the front-end codebase.

Dec 2011 – Jun 2012   **Software Developer (Freelance)** at **Avallain** (Madrid, Spain)

Mar 2011 – Dec 2011   **Software Developer (Freelance)** at **EMC** (Madrid, Spain)

Mar 2008 – Mar 2011   **Analyst Programmer** at **Atos** (Madrid, Spain)

Sep 2006 – Mar 2008   **Analyst Programmer** at **CSC** (Madrid, Spain)

Education

Sep 2001 – Sep 2006   **M.Sc. in Computer Science** at **U. Pontificia de Comillas** (Madrid, Spain)