Malika Toussaint Staff DevRel Engineer

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PROFILE SUMMARY

- **Staff DevRel Engineer** with **11 years** on developer libraries and tools, setting the technical direction for Coveo's **Developer Experience** team, which owns the **Headless**, **Atomic** and **Quantic** search UI libraries and the **Coveo CLI**.
- Works in **TypeScript** across web components, **React**, **Angular** and Salesforce **Lightning Web Components**, publishes to **npm**, and keeps reference docs generated from the code with **API Extractor**.
- Known for **breaking-change policy**, **migration codemods** and a **DX scorecard** product leadership reads every month, after 3 years maintaining **plotly.py** docs and **Dash** examples at Plotly.
- Works with the search API, analytics, **Salesforce integration** and solutions engineering teams, and runs the review every new public library API goes through before release.
- Mentors **4** developers on the DX team, wrote the **library deprecation policy**, and runs the quarterly roadmap review for the UI libraries with product management.

TECHNICAL SKILLS

Programming Languages:	TypeScript, JavaScript, Python, Java (reading)
APIs & Specs:	REST APIs, OpenAPI, Server-Sent Events, OAuth 2.0
SDK Generation & Releases:	npm, semantic versioning, API Extractor, jscodeshift codemods, GitHub Releases
Docs Platforms:	TypeDoc, Storybook, MDX, Vale
App Frameworks:	React, Angular, Vue.js, Lit, Lightning Web Components, Node.js
CI, Testing & Cloud:	GitHub Actions, Cypress, Playwright, Jest, Docker, AWS
Analytics & Feedback Tools:	Looker, GitHub Issues, Jira, Postman

EDUCATION

McGill University — **B.Sc. in Computer Science** — Montreal, QC · Sep 2011 to May 2015

WORK EXPERIENCE

Coveo — **Staff Developer, Developer Experience** — Montreal, QC · Feb 2019 to Present

- Set the release and deprecation policy for the **Headless** and **Atomic** libraries on **npm**, with **API Extractor** reports blocking unplanned breaking changes and codemods for each major version, cutting upgrade support cases by **47%**.
- Designed the **Coveo CLI** project generators for **React**, **Angular** and **Vue.js** search pages, cutting the setup steps in the getting started guide from 14 to **2**.
- Led **Quantic**, the library for **Salesforce** Lightning Web Components, with the Salesforce integration team, bringing Headless features to LWC so **120+** customer orgs could drop custom search code.
- Built the DX scorecard (time to first query, sample completion, upgrade lag in customer projects) that product leadership reviews monthly, and cut median time to a first working search page from 2 days to **3 hours**.
- Rebuilt the **Barca Sports** demo storefront and its seeded catalog on **AWS** with nightly index resets, cutting demo-day incidents for solutions engineers from 11 a year to **1**.

Plotly — **Software Engineer, Open Source** — Montreal, QC · Jul 2015 to Jan 2019

- Moved the **plotly.py** docs to pages built from **Jupyter** notebooks that run on every release, catching about **40** broken examples per release before users found them.
- Built **25** sample **Dash** apps in **Python** and pandas for the Dash app gallery, which sales engineers used as the starting point for most enterprise trials.
- Turned **GitHub** issues and community forum threads into a monthly friction report for the Dash maintainers, and got **12** API changes into early Dash releases, including clearer callback errors.