

MELISSA ADU-POKU

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Senior Software Engineer with 7+ years of experience building scalable, user-friendly web applications using React, TypeScript, and modern JavaScript frameworks. Skilled in creating reusable UI systems, writing high-coverage automated tests, and integrating with REST and GraphQL APIs. Proven track record of driving performance improvements, enhancing engineering workflows, and delivering production-ready features in Agile environments. Collaborative, proactive, and passionate about building clean, maintainable code.

PROFESSIONAL EXPERIENCE

Senior Software Engineer, MineralTree, Inc - Cambridge, MA Jan 2024 – Jun 2025

- Refactored the legacy UI and implemented a full rewrite using React, Redux and Redux Thunk to improve maintainability and scalability.
- Built a reusable component library with automated publishing to a private npm registry, enhancing consistency and development speed across teams.
- Integrated frontend applications with REST and GraphQL microservices in collaboration with backend engineers to meet evolving product requirements.
- Implemented unit tests for feature development using Jest and React Testing Library, to achieve 100% code and branch coverage.
- Developed integration and end-to-end tests with Cypress, improving test reliability and QA cycle times.
- Participated in code reviews, sprint planning and retrospectives, as well as mentored junior employees.

Software Engineer, MineralTree, Inc - Cambridge, MA Jan 2020 – Jan 2024

- Co-led the development of customer-facing UI features using React and TypeScript, including dynamic dashboards and form-heavy workflows.
- Migrated legacy components into modular, reusable React components, improving code reuse and reducing duplication.
- Collaborated in Agile teams with designers, PMs, and QA engineers to ship features on a biweekly release cadence.
- Contributed to test automation and code quality enforcement through unit testing, integration testing, end-to-end testing, PR reviews, and CI/CD pipelines.

Software Intern, MineralTree, Inc - Cambridge, MA Oct 2018 – Jan 2020

- Co-developed a Django/Python-based internal financial reporting and payments management tool in a 3-person team.
- Designed and built API integrations to sync internal database and Salesforce with Churnzero, streamlining customer success workflows.
- Refactored and optimized large SQL queries to reduce query run-time and performance, resulting in faster data loads and a measurable improvement in UI responsiveness.
- Created custom and standardized downloadable reports for clients using MySQL and internal tools.
- Formalized onboarding process for new engineers, including sandbox setup, environment configuration and documentation.

Business Analyst, N12 Technologies, Inc. - Cambridge, MA August 2016 – June 2017

- Designed and implemented a Salesforce-Zapier integration to automate internal sales fulfillment workflows.

SKILLS

Frontend: React, Next.js, React Native, TypeScript, JavaScript, HTML5, CSS3

Testing: Jest, Vitest, Cypress, Gherkin, React Testing Library

Backend: Python, Django, Java, Node.js

Databases: MySQL, PostgreSQL, MongoDB

Dev Tools & APIs: Git, Docker, Jira, REST, GraphQL, Supabase, ESLint, Prettier, Storybook

Development Practices: Agile/Scrum, CI/CD, Github Actions, Component Libraries

EDUCATION

Smith College, Northampton, MA - Bachelor of Arts, Economics

Graduated 2015