DAVID MOLINARI

Software Engineer III

Exton, PA (Philadelphia area) • Remote • david.m.molinari@gmail.com • linkedin.com/in/david-m-molinari • davidmolinari.com

PROFILE

Full-stack software engineer with nearly five years at Curriculum Associates, promoted from contract engineer to Software Engineer III. Go-to frontend expert across multiple teams, most of that time on SIS data-integration applications that bring district data into programs serving more than 17 million students, including their Node.js and Java services. Helped establish the AI-assisted development practices now used across engineering.

CORE SKILLS

Frontend React, TypeScript, JavaScript, Next.js, state management, component systems, web performance
Backend & data Node.js, Java, Spring, REST, GraphQL, PostgreSQL, MongoDB, data modeling, SIS data integration
AI-assisted development Claude Code, Codex, GitHub Copilot, agentic coding workflows, AI-assisted code review
Delivery AWS, Vercel, Docker, CI/CD, unit and integration testing, technical design

EXPERIENCE

Curriculum Associates Remote | Jan 2022 - Present
Software Engineer III | Aug 2026 - Present • Software Engineer II | Jan 2024 - Jul 2026
Software Engineer I | Jul 2022 - Jan 2024 • Software Engineer (Contract) | Jan 2022 - Jul 2022

- Go-to frontend expert across multiple teams; wrote the team's front-end vision and UI plan, and carry major features end to end, from data model and API through React/TypeScript UI and Java/Spring services.
- Rebuilt the filter-construction tool internal data specialists use to define which district data each sync brings in, replacing per-district workarounds that pulled engineers across teams into escalations for the largest districts; owned the design detail and implementation, and demoed each stage to stakeholders rather than one review at the end.
- Kept the tool responsive on client-side datasets of tens to hundreds of thousands of records through pagination, workers, indexed retrieval, targeted fetching, cache eviction, and debounced search; extended the shared table components rather than forking them, and enforced strict backend sync rules with client-side validation.
- From the ground floor, helped establish the agentic coding workflows and AI practices adopted across engineering: introduced workflows, built shared agent configurations, proposed improvements, and taught other engineers; the team was recognized as one of the organization's exemplary AI teams.
- Reproduce the bug and check each claim against the source or a mutation test before naming a root cause.
- Review other engineers' changes in detail, backend included, so reviews teach newer engineers as well as gate; partner with product and design on scope, draft design docs, and mentor junior and offshore engineers.
- Earlier, as Software Engineer I, led frontend work on a new application that replaced legacy systems through incremental feature migration rather than a single cutover; as a contract engineer, built core table and filter features.

TeamClass Remote | Dec 2020 - Nov 2021
Software Engineer | Aug 2021 - Nov 2021 • Contract Software Engineer | Dec 2020 - Jan 2021

- Joined a small product team during a four-month stretch in which company revenue grew more than 5x; built the home, explore, and class-detail experiences in React, Next.js, GraphQL, and MongoDB.
- Built a custom checkout for a new gift-basket product line and implemented SEO audit recommendations. On the earlier contract, migrated company sales data into a new CRM and automated sales workflows by connecting a custom API to Zapier and PersistIQ.

EDUCATION

MIT Professional Education | Applied Data Science Program, 2023
BloomTech | Full-Stack Development and Computer Science, 2020
DePaul University | B.S. Economics, 2015 | Division I basketball team captain