

John Son

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SUMMARY

Senior Software Engineer with 8+ years of experience leading the design, development, and deployment of innovative software solutions for both startups and enterprise companies. Hands-on Leader focused on working with cross-functional teams to bring new, user-focused experiences to life while enhancing software quality, performance, and reliability at scale.

SKILLS

- **Engineering:** Fullstack Development, Frontend & UI/UX, AI/ML, Gen AI, LLMs, Backend & Infrastructure, Cloud Architecture, API Design, RESTful Web Services, Microservices, Testing & Code Coverage, CI/CD, DevOps, Software Quality, Scalability, Performance, Observability, Reliability, Automation, Cybersecurity, Accessibility, Code Reviews, Documentation, Agile
- **Leadership:** Strategic Planning & Execution, Project Management, Coaching & Mentorship, Cross-functional Collaboration
- **Technology:** JavaScript, Typescript, React, Redux, D3, Angular, Node.js, Python, Langraph, Langfuse, PostgreSQL, MongoDB

RELEVANT EXPERIENCE

Senior Software Engineer, PubMatic

2022 - 2025

- Drove the design, development, and release of features for an agent orchestrator and shared chat UI service for PubMatic's GenAI chat assistant with a team of 4 senior engineers using Angular, LangGraph, and Python FastAPI.
- Implemented a backend planning feature for the Chat UI to answer complex user queries/messages that require multiple agents to answer, to allow the agent orchestrator to create and execute a plan/sequence of agents.
- Led the design of the frontend implementation of the Chat UI as a shared library, which enabled the UI teams to seamlessly deploy onto UI codebases/products.
- Led the on-time development and delivery of an LLM-based orchestration framework to route, plan, and execute multi-agent workflows for multi-intent user queries and improve the robustness of user chats with multiple intents.
- Spearheaded the company-wide adoption of the FullStory session playback tool by evaluating vendors, partnering with Legal/SecOps to ensure adherence to PII, GDPR, and CCPA requirements, and authoring engineering documentation complete with high-level objectives, the current state of observability, and vendor trials/PoCs that supported adoption.
- Drove the execution of an engineering initiative to improve accessibility (a11y) practices by introducing Angular a11y ESLint rules, automating scans for WebdriverIO E2E testing, and providing HTTP hooks for enforcing Jenkins CI/CD quality gates.
- Minimized accessibility errors by performing accessibility static code analysis during development, leveraging the vendor's scanning library in end-to-end test suites, and utilizing the vendor API for approval checks in the deployment pipeline
- Migrated Martin's React codebase to PubMatic's Angular codebase while maintaining the performance of PubMatic's Demand Side Platform for purchasing advertising space on the open web during the migration.
- Maintained and shipped features for a shared UI library of design components, including the FullStory session playback tool integration and the GenAI Chat Assistant.
- Implemented and drove the adoption of a shared UI service for FullStory using Typescript and Angular.

Software Engineer, Martin (Acquired by PubMatic)

2018 - 2022

- Served as the Code Owner for the design and development of all frontend products, including analytics dashboards, the marketing website, and the demand side platform product using D3, Next.js, and React.
- Led the build-out of an interactive and responsive public marketing site for both investors and potential customers.
- Designed and delivered marketing agency trader dashboards that help traders build an in-depth understanding of spend, conversions, keywords, and ROAS using React and D3.
- Developed the web architecture for the company's flagship Demand Side Platform/SaaS product that enables traders to create new advertising campaigns and monitor campaign performance.
- Collaborated with PMs, EMs, and ICs to translate business needs into actionable sprints, support feature scoping, and drive the end-to-end delivery of all project deliverables while onboarding and mentoring a junior engineer.
- Authored and refined technical documentation to facilitate team knowledge sharing and professional development.

ADDITIONAL EXPERIENCE

- Software Engineer, Basepaws

2017 - 2018