Daniel Thai

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Summary

I'm a software engineer who builds and deploys robust, user-centric platforms in enterprise settings and projects for smaller businesses. I offer full-stack web development, steer technical initiatives, leverage iterative development methodologies, and cultivate feature adoption through intuitive user interactions, notably on platforms like ZoomInfo's MarketingOS.

Skills

Languages: JavaScript, TypeScript, Python, Java, SQL, HTML, CSS
Frameworks: Angular, React, NestJS, Spring Boot, Flask, Express, Jest, Cypress, Mockito
Developer Tools: AWS, PostgreSQL, MongoDB, Docker, Git, GitHub, GitHub Actions, NodeJS, RxJS, Redux, SQLAlchemy, Swagger, Storybook, Cursor, VSCode, Postman
Technologies: Jira, Figma, DataDog, PagerDuty, Claude, ChatGPT, n8n

Software Engineer, Zoominfo, Bethesda, Maryland   June 2022 - April 2025

- Designed and implemented reprocessing endpoints using Java Spring Boot, saving 5+ developer and QA hours weekly (260 hours/year) by streamlining internal batch requests for bad audience data.
- Developed core features (account tagging, advanced search filters), improving cross-platform synchronization for 3000+ users across MarketingOS and SalesOS.
- Engineered reusable Angular components using content projection and Storybook, reducing front-end development time by 15 hours/month for team members.
- Improved test coverage by 40 %+ and maintained 85 %+ unit test coverage with Jest/Mockito, reducing production bugs by 25% and enabling zero critical failures in the last 8+ months of weekly deployments.
- Led UI implementation of Google Ads Retargeting feature, driving a 20% increase in feature adoption.
- Created and optimized BFF microservices for the Campaign Dashboard feature, improving data fetch accuracy by 100%, and became an expert in this service.
- Partnered on Copilot AI admin integration, enabling 100% of internal teams to access all product slices from a single interface.

Freelance Software Engineer, locallending.co   April 2025 - July 2025

- Managed relationships with 3 key stakeholders, leading strategic planning, roadmap development, and UI design reviews to ensure 100% client satisfaction and successful delivery of features and requirements.
- Developed a Next.js web application deployed through Vercel, featuring 5 interactive financial calculators with data visualization, and a contact form using AWS SES.
- Implemented internationalization (i18n) to support multiple languages optimized for SEO, to accommodate 40% of clientele.

Projects

Data Discrepancy Tracker Aatral North America Hackathon | October 2022
- Engineers lacked visibility into UI/backend data mismatches, delaying bug resolution.
- Built a backend API to log, compare, and report discrepancies between UI and backend analytics data.
- Adopted by engineering teams to accelerate bug resolution by 40% and improve debugging accuracy with centralized discrepancy tracking.

BigTable Migration for MarketingOS Engineering Bethesda-thon | June 2024
- HBase-based nightly processing was slow and unstable for audience data.
- Led migration to Google BigTable, rewriting endpoints and optimizing row-key patterns.
- Reduced nightly processing time by 80% and deployed to production within the hackathon timeline, improving data pipeline reliability.

AWS GitHub React App CI/CD | GitHub
- Configured GitHub Actions for CI/CD to deploy builds to AWS S3 automatically.
- Integrated CloudFront for fast, scalable content delivery and included cache invalidation automation.
- Streamlined deployment process, enabling production updates with every push to the main branch.

Academic Projects

Cheapbnb | GitHub
Full-Stack Airbnb Clone (PostgreSQL, AWS S3, Flask, React/Redux)
- Practiced full-stack architecture by building image uploads (AWS S3) and CRUD operations, solidifying REST API design.
- Learned state management by implementing a normalized Redux store to handle complex UI data flows.
- Gained experience with cloud storage integration and optimizing client-server payloads.

CheatSheets | GitHub
Instructables-Style Guide Platform (Flask, React, PostgreSQL)
- Developed search functionality with custom backend queries, deepening understanding of SQL optimization.
- Collaborated via Agile/Kanban, practicing Git workflows and feature prioritization in a team setting.
- Explored UI composition by combining vanilla CSS with React libraries

Education

Software Engineering & Full-Stack Web Development at App Academy
Bachelor of Science at the University of Arizona