

# Dave Yarwood

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EXPERIENCE	<b>Senior Software Engineer - GovSpend</b> <a href="https://govspend.com">https://govspend.com</a>	Oct 2023 - Present
	<b>Senior Software Engineer - Kevel (formerly Adzerk)</b> <a href="https://kevel.com">https://kevel.com</a>	Nov 2014 - Sep 2023
	<ul style="list-style-type: none"><li>Contributed to growing the company from 10 to 150 employees and obtaining multiple rounds of VC funding</li><li>Implemented and maintained high-performance ad decision engines, customer-facing ad serving APIs and SDKs, infrastructure automation, automated testing, and internal tooling</li><li>Oversaw the long-term design, maintenance, and forward evolution of Kevel's campaign management UI</li><li>Won several high-profile enterprise customers by overhauling our UI authentication system to improve security and support single sign-on</li><li>Raised our Mozilla Observatory score from 0 to 80 (out of 100) by implementing a Content Security Policy and other security headers</li><li>Led technical design processes, collaborating with product managers and stakeholders to architect ideal solutions and deliver them on schedule</li><li>Streamlined the delivery of new features by building CI/CD pipelines</li><li>Mentored dozens of engineers in the areas of technical design and code quality</li><li>Diligently kept documentation accurate and up-to-date</li></ul>	
	<b>Disability Examiner / ODAR Specialist - NC Disability Determination Services</b>	Aug 2008 - Nov 2014
	<ul style="list-style-type: none"><li>Reviewed medical, psychological, and vocational records to determine applicants' eligibility for Social Security disability</li><li>Served as the agency's sole liaison for judges and other staff at federal disability hearings offices</li><li>Effectively managed a demanding case load, keeping processing time as low as possible while ensuring quality in the accuracy of my decisions</li><li>Provided excellent customer service, even during very difficult conversations</li></ul>	
EDUCATION	<b>University of North Carolina - Chapel Hill</b> Bachelor's degree - Music Composition and Bassoon Performance	2004 - 2008
PROJECTS	<b>Alda</b> Text-based music composition programming language	2012 - present
	<ul style="list-style-type: none"><li>More than 5,000 stars on GitHub, went viral on HackerNews</li><li>Open source: <a href="https://github.com/alda-lang/alda">https://github.com/alda-lang/alda</a></li><li>Use cases: music notation, MIDI production, generative music</li><li>I've given talks and workshops about Alda at conferences around the world, including ICFP (2016), Compose Conference (2018), and Strange Loop (2019, 2021)</li></ul>	
SKILLS	<b>Technical design:</b> distributed architecture, domain-driven design, SDLC, testing approaches <b>People:</b> onboarding, leading, mentoring, documentation, creative problem solving, planning and prioritization, collaboration with stakeholders <b>Backend:</b> Clojure, Java, C#, Go, relational databases (SQL Server, PostgreSQL), NoSQL / document databases (Redis, DynamoDB), REST APIs <b>Frontend:</b> ClojureScript, JavaScript, TypeScript, React, XState, UX design, SSO, SAML, OIDC <b>DevOps:</b> Linux, Bash, Git, Amazon Web Services (AWS), Datadog, monitoring, logging, telemetry, observability, continuous integration & delivery (CI/CD), standards compliance	