Dave Yarwood

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EXPERIENCE	**Senior Software Engineer** - *Kevel (formerly Adzerk)* https://kevel.com	Nov 2014 - Sep 2023

- Contributed to growing the company from 10 to 150 employees and obtaining multiple rounds of VC funding
- Implemented and maintained high-performance ad decision engines, customer-facing ad serving APIs and SDKs, infrastructure automation, automated testing, and internal tooling
- Oversaw the long-term design, maintenance, and forward evolution of Kevel's campaign management UI
- Won several high-profile enterprise customers by overhauling our UI authentication system to improve security and support single sign-on
- Raised our Mozilla Observatory score from 0 to 80 (out of 100) by implementing a Content Security Policy and other security headers
- Led technical design processes, collaborating with product managers and stakeholders to architect ideal solutions and deliver them on schedule
- Streamlined the delivery of new features by building CI/CD pipelines
- Mentored dozens of engineers in the areas of technical design and code quality
- Diligently kept documentation accurate and up-to-date

	Disability Examiner / ODAR Specialist - *NC Disability Determination Services*	Aug 2008 - Nov 2014

- Reviewed medical, psychological, and vocational records to determine applicants' eligibility for Social Security disability
- Served as the agency's sole liaison for judges and other staff at federal disability hearings offices
- Effectively managed a demanding case load, keeping processing time as low as possible while ensuring quality in the accuracy of my decisions
- Provided excellent customer service, even during very difficult conversations

EDUCATION	**University of North Carolina - Chapel Hill** Bachelor's degree - Music Composition and Bassoon Performance	2004 - 2008

PROJECTS	**Alda** Text-based music composition programming language	2012 - present

- More than 5,000 stars on GitHub, went viral on HackerNews
- Open source: https://github.com/alda-lang/alda
- Use cases: music notation, MIDI production, generative music
- I've given talks and workshops about Alda at conferences around the world, including ICFP (2016), Compose Conference (2018), and Strange Loop (2019, 2021)

SKILLS

Technical design: distributed architecture, domain-driven design, SDLC, testing approaches

People: onboarding, leading, mentoring, documentation, creative problem solving, planning and prioritization, collaboration with stakeholders

Backend: Clojure, Java, C#, Go, relational databases (SQL Server, PostgreSQL), NoSQL / document databases (Redis, DynamoDB), REST APIs

Frontend: ClojureScript, JavaScript, TypeScript, React, XState, UX design, SSO, SAML, OIDC

DevOps: Linux, Bash, Git, Amazon Web Services (AWS), Datadog, monitoring, logging, telemetry, observability, continuous integration & delivery (CI/CD), standards compliance