

LAYKEN VARHOLDT

SOFTWARE ENGINEER

Lafayette, LA | (337) 858-2973 | laykenv@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Software engineer with production experience building full-stack features for U.S. Department of Labor applications and shipping independent products with React, TypeScript, Java, Convex, and Next.js. Led a React 15-to-18 migration and built document workflows, multi-tenant SaaS, and applied AI systems. First-place winner of the Convex Modern Stack Hackathon (\$10K).

PROFESSIONAL EXPERIENCE

Software Engineer - Zyxware Technologies

Sep 2023 - Present

Remote | Client: U.S. Department of Labor

- Build and ship React/Redux frontend and Java backend features for large-scale federal web applications in an Agile team with Jenkins CI/CD.
- Designed full-stack bulk-transfer and PDF-upload workflows across React, Java, and PHP/Drupal, reducing processing time for DOL users.
- Led a critical React 15-to-18 migration, refactoring 50+ class components to functional components with hooks and improving runtime performance.

SELECTED PROJECTS

Atlas Outbound | TypeScript, Convex, TanStack, AI SDK, Twilio

Built an end-to-end prospecting and calling platform in 14 days. Won 1st place in the Convex Modern Stack Hackathon (\$10K) among hundreds of teams. Integrated real-time Twilio voice calls and structured agent workflows on Convex.

OmniBid | React, TanStack Start, Convex, Gemini, SAM.gov API

Built a document workflow that converts long federal solicitations into compliance matrices and pulls source documents directly from SAM.gov. Replaced a multi-service parser with direct multimodal extraction, cutting per-document cost by roughly 10x.

Acadiana Web Design | Next.js, TypeScript, Convex, Stripe, Twilio

Built a multi-tenant SaaS platform with client portals, subscriptions, lead management, and clickwrap agreements. Drove Twilio A2P 10DLC approval through repeated compliance rejections.

Mesh Mind | TypeScript, Convex, AI SDK

Built a multi-model research interface with inspectable critic-and-synthesizer stages, scheduled jobs, retries, and structured handoffs between independent services.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, SQL | **Frontend:** React, Next.js, TanStack, Redux, Tailwind CSS

Backend and data: Convex, Java, PHP/Drupal, PostgreSQL, MySQL, REST APIs | **Tools:** Git, Jenkins, Vercel, Stripe, Twilio

Applied AI: Gemini, Claude API, AI SDK, RAG, structured extraction, tool calling, model orchestration

MILITARY SERVICE

U.S. Air Force - Munitions Systems (2W0X1) | 4 years active duty. Worked in high-stakes environments where accuracy, accountability, and clear handoffs mattered.