

KENNETH FORD

📍 Reidsville, NC • 📞 (336) 328-7984 • ✉️ KennethJamesFordJR@gmail.com •
🌐 Kennethjfordjr.com 📁 linkedin.com/in/kennethjfordjr

SUMMARY

Engineering Leader & Full-Stack Developer with 10+ years in CPQ, CAD automation, and enterprise systems, now building secure, production-grade web applications using Next.js, TypeScript, and Supabase. Proven track record leading teams of up to 10, delivering scalable solutions, and bridging technical vision with business goals. Adept at mentoring, roadmap ownership, and driving projects from concept to deployment.

CORE COMPETENCIES

Web Development: Next.js 14, React 18, TypeScript, Tailwind CSS, Node.js, Supabase, Prisma, REST/GraphQL, SSR/SSG/ISR

DevOps & Quality: CI/CD, GitHub Actions, Jest, Playwright, Cypress, Core Web Vitals, OWASP Top 10

Enterprise & CPQ Systems: Epicor/KBMAX, Configure One, Autodesk Inventor/AutoCAD, SAP Reporting, SQL

Leadership: Team Leadership, Agile/Scrum, Stakeholder Management, Mentorship, Vendor Coordination

VSCODE and Copilot while using the latest agents.

SELECTED PROJECTS

Lament & Quill – Full-Stack Web Platform (2025)

- Architected SSR/SSG hybrid site with multi-tenant RLS-secured backend.
- Built reusable UI with custom Gothic theme, motion primitives, and full a11y compliance.
- Integrated secure authentication, server actions, and transactional email flows.
- Optimized Core Web Vitals and set up CI/CD pipelines with lint/test gating.

Open-Source Contributions

- Supabase + Next.js starter with Auth, RLS, Zod, React Query.
- Stripe integration with secure payment.

PROFESSIONAL EXPERIENCE

Advanced Drainage Systems – Configuration Engineer | Oct 2023 – Present | Remote

- Designed and deployed CPQ solutions reducing quote cycle time by 25%.
- Automated CAD workflows, cutting engineering touch-time 30%+.
- Built SQL dashboards reducing pricing discrepancies 15%.
- Led security enhancements in partnership with IT.

Masterack – Product Configuration Specialist | Jan 2021 – Oct 2023

- Improved BOM/pricing accuracy for 1,000+ SKUs.
- Co-designed UI/UX for internal tools.
- Authored documentation reducing onboarding time by 40%.

Häfele America Co. – Configuration Engineer | Jan 2015 – Jan 2021

- Managed SAP-based reporting and BOM logic, boosting data accuracy.

HSM Solutions (Triad Fabco) – CAD Technician | Jan 2013 – Jan 2014

- Delivered precise AutoCAD/Inventor designs and authored technical manuals.

U.S. Army Reserve – Sergeant | Jan 2002 – Jan 2013

- Led & trained 7-member team across 3 tours, coordinating logistics under pressure.

EDUCATION & CERTIFICATIONS

M.S. Information Technology (Cybersecurity), Purdue University Global — In progress (2027)

B.S. Electronics Engineering Technology, ECPI University — 2014

CompTIA Security+ (in progress), AWS CCP (2026 target)

TOOLS & PLATFORMS

TypeScript, JavaScript, SQL, HTML/CSS, Prisma, Vercel, Sentry, Docker (basics), Figma, React Email, Resend, Lucide

LEADERSHIP IMPACT

- Mentored 5+ junior developers; implemented peer review & testing standards.
- Facilitated sprint ceremonies and stakeholder demos.
- Established documentation and runbook standards.