JEROME AMOS

Staff Software Engineer | Engineering Lead | Full-Stack Architect

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PROFESSIONAL SUMMARY

Staff-level full-stack engineer and technical leader with 20+ years building production software for NBC News, MSNBC, the TODAY Show, Fiserv/Clover POS, Chanel, Levi's, and the Town of Islip. I integrate a background in high-stakes systems diagnostics and R&D with advanced full-stack development and AI specialization to build scalable, production-ready software. Drawing on my experience as a USAF sergeant and forward deployed engineer, I approach complex technical challenges with a precision-oriented mindset, whether optimizing CI/CD pipelines or refining user-centric architectures. I am driven by the process of transforming raw technical components into sophisticated, functional systems, balancing rigorous engineering standards with the nuanced perspectives of an instructor and visual communicator.

LEADERSHIP HIGHLIGHTS

- **Technical leadership:** Tech lead at NBCUniversal for high-traffic news platforms serving millions of concurrent users; owned sprint planning, estimation, and architecture decisions across front-end and API layers.
- **End-to-end ownership:** Architected, built, and run a government public-safety platform for the Town of Islip as the sole engineer, from stakeholder requirements through security design, deployment, and production support.
- **Developing engineers:** Mentored engineers at Fiserv/Clover; designed and taught 5 original web design and development courses at Pratt Institute and F.I.T.; supervised swing-shift operations as a U.S. Air Force Sergeant.
- **Organizational leadership:** Led NBCUniversal's VetNet Employee Resource Group (~500 members) for nearly 5 years and directed the WWE/NBC SummerSlam Veterans Jobs Fair with 58 employers over 5 years.

CORE COMPETENCIES

Leadership & Delivery: Technical leadership, architecture & system design, sprint planning & estimation, roadmap scoping, mentoring & coaching, code review standards, stakeholder & requirements management, Agile/Scrum, Jira, Confluence

Front End: React, Next.js (App Router, Server Actions), TypeScript, JavaScript (ES6+), HTML5, CSS3/SCSS, Tailwind CSS, Redux, Zustand, Storybook, design systems, WCAG 2.1 accessibility, Figma

Back End & APIs: Node.js, RESTful API design & versioning, GraphQL, microservices integration, SOAP/XML (Hybris), third-party API integration

Data & Cloud: PostgreSQL (schema design, hand-written SQL, migrations, query tuning, row-level security), Supabase, Prisma, MongoDB, Azure SQL, Cosmos DB; Microsoft Azure (App Service, Static Web Apps, Blob Storage/CDN), AWS S3, Vercel

Security & Quality: Secure SDLC, role-based access control, authentication & authorization (Clerk), audit trails, OWASP-aware coding, SonarQube/SonarCloud, GitHub Dependabot & code scanning

Testing & DevOps: Test-driven development, Vitest, Jest, Playwright, React Testing Library, Git/GitHub PR workflows, CI/CD pipelines, release management

AI-Augmented Engineering: Claude Code, Cursor, GitHub Copilot; spec-driven development workflows; Python automation

PROFESSIONAL EXPERIENCE

Founder & Principal Engineer **2024 – Present**

Amos Designs *Long Island, NY / Remote*

- Run a product engineering practice for public-sector and small-business clients: gather requirements directly from non-technical stakeholders, set technical direction, and own architecture, delivery, and production support.
- **Town of Islip Public Safety Platform:** architected a secure, multi-role coordination platform (Next.js, TypeScript, PostgreSQL, Prisma, Clerk) with role-based authorization, audit trails, and real-time workflows for emergency-response coordination; partnered with Town officials to translate operational needs into product requirements.
- **Jimmy's Cafe:** delivered a custom order-management system, kitchen dashboard, and automated email-marketing suite (React, Next.js, Node.js, MongoDB) with third-party messaging integrations for real-time notifications.
- **BFAM Cooking (bfamcooking.com):** founded and engineered a culinary media platform with community features and interactive tutorials on Next.js, TypeScript, Prisma, Zustand, and Clerk.

- Defined a standard engineering playbook used across all projects: a reusable Next.js project starter, a spec-driven feature workflow (intent → spec → build), CI/CD with Vitest and Playwright gates, and automated dependency and code scanning.

Senior Software Engineer **2021 – 2024**
Fiserv / Clover POS *Remote*

- Built and shipped production React/TypeScript features for a global SaaS point-of-sale platform serving thousands of small businesses, integrating with RESTful services in a microservices architecture.
- Sustained 99%+ release reliability in a daily-release Agile environment through test-driven development (Vitest, Playwright) and Storybook-documented components.
- Mentored two engineers on React, TypeScript, and component architecture; contributed to architecture decisions, sprint planning, and estimation; took part in code reviews.

Senior Software Engineer / Tech Lead **2014 – 2021**
Comcast / NBCUniversal *New York, NY*

- Led engineering work on high-traffic React, Node.js, and GraphQL applications for NBC News, MSNBC, and the TODAY Show, supporting millions of concurrent users under strict performance and uptime requirements.
- Ran sprint planning and estimation for the team and drove architecture decisions for front-end and API layers; designed and consumed REST and GraphQL APIs connecting applications to back-end data services.
- Partnered with platform and data engineering teams on release readiness and production troubleshooting.
- Led the VetNet Employee Resource Group (~500 members) for nearly 5 years and served as ERG Project Manager for News DEI initiatives; directed the WWE/NBC SummerSlam Veterans Jobs Fair (58 employers over 5 years).

Founder & Senior Full-Stack Consultant **2000 – 2014**
Amos Designs *New York, NY*

- Embedded with client engineering teams at Levi's, CK One, Benefit Cosmetics, Chanel, and David Yurman to deliver e-commerce and brand web experiences end to end.
- Built storefront front ends on the Hybris/Java e-commerce platform across 5 countries, integrating with SOAP/XML and REST back-end services; deployed client work to Microsoft Azure and AWS S3.
- Served as sole developer for Ace Tools and Cool Gray Seven, owning design, development, deployment, and maintenance; owned REST API design and versioning for client platforms.

Adjunct Instructor & Curriculum Developer **2008 – 2014**
Pratt Institute and Fashion Institute of Technology (F.I.T.) *New York, NY*

- Designed and taught 5 original web design and software development courses over 5 years.

MILITARY SERVICE

U.S. Air Force — Sergeant | Gulf War Veteran | NCO Academy Graduate | 5+ years active duty, Honorably Discharged

- Supervised swing-shift operations as Sergeant for 2 years; worked in high-stakes systems diagnostics, building the precision and accountability that carry into production engineering.

CERTIFICATIONS & EDUCATION

62+ professional certifications, including Anthropic Claude AI, Google AI Essentials, Meta Front-End Developer Professional (2025), Hybris/Java E-Commerce Specialist, and Linux Administration. Full list on LinkedIn.

- NuCamp — Full-Stack Web & Mobile Development Bootcamp (2024)
- SUNY Empire State College — Software Development coursework