

PETER C. ROMANO

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Senior Software Engineer

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Full-stack engineering veteran, software architect, and industry author with 20 years spanning B2C media to industrial enterprise SaaS & transformation. From early-stage startup to high-risk, revenue-critical brownfield environments, I translate ambiguous requirements into stable production software and drive outcomes under tight timelines - 2× delivery KPI improvement and 70%+ defect reduction across Fortune 500, PE-backed, and Seed-to-Series C organizations.

Recent focus: LLM/RAG systems, agentic workflows, and AI-assisted SDLC adoption. Author of *The Restruct Handbook* — An AI-First Operating Methodology for Modern Software Organizations, I'm focused on evolving AI use from scattered experimentation into repeatable operating practice grounded in hands-on engineering, delivery discipline, and a GTM mindset.

Known for onboarding quickly into complex environments and earning trust with peers, stakeholders, and customers.

CORE SKILLS

Expertise across SaaS, B2B enterprise transformation, and digital B2C marketing experiences in Media, Advertising, Publishing, Oil/Gas, Energy, Logistics, Industrial, Construction.

- AI Adoption, AI-Enabled Delivery, & AI-First SDLC Optimization
- 20 Years of SOLID Full-Stack Application Engineering (UI → API → Data → Infrastructure)
- Scalable SaaS, RevOps, ERP, FSM, CMS, CRM & MarTech Systems
- Cloud & DevSecOps (AWS/Azure, CI/CD, Containerization)
- Distributed Systems (Event-Driven, Microservices, Micro-Frontends)
- GTM Strategy & Product Development
- Solution Architecture, Digital Transformation, & Legacy Modernization
- Technical Leadership & Stakeholder Alignment / Communication

Stack: Node, TypeScript, Python, Go, AWS, Postgres, Docker, Kafka, Linux, REST, GraphQL, Rust

AI: MCP, LLM, RAG, Claude Code, Cursor, LM Studio, Vercel AI SDK, LangChain, Langfuse, Temporal

Community Contributions: Creator of Restruct Methodology & Author of *The Restruct Handbook*

Frameworks: Expert-level Vue 3 / Nuxt 3 / Django, React, Angular, Ember

Systems: SAP, Adobe Experience Manager, Salesforce Commerce Cloud, Apollo, Clay, HubSpot

Project Management/Ops: Git, JIRA, Agile, SAgile, GitHub, GitLab, Notion, Slack

Other: Azure, Adobe Creative Cloud, Synthesia, Runway ML

EXPERIENCE

Vestive

Senior Software Engineer 5/2016-present

- Authored the Restruct methodology and *The Restruct Handbook: An AI-First Operating Methodology for Modern Software Organizations* — an operating model used to move engineering organizations to AI-native delivery
- Creator and administrator of the Restruct AI-first SDLC training and certification program, upskilling engineering teams on agentic, AI-assisted delivery
- Designed and built a multi-tenant GTM lead-intelligence engine for CRMs — an LLM & RAG-powered MCP, API, and SaaS with multi-agent orchestration and hundreds of integration tests, lowering research and outreach time by ~60% while improving outreach quality
- Architected a secure multi-tenant AWS PaaS for automated remote cloud dev environment deployments coupled with an SDK marketplace — reducing code-IP-theft surfaces by ~80% via isolation, orchestration, Docker security modules, and real-time file syncing
- Embedded as Senior/Staff Engineer introducing AI-first SDLC practices across startups in AdTech (IN-Plex, Cadent), Defense (Sanoai), and PharmaTech (Truveris) — delivering B2B SaaS, UCaaS, and a regulated private-blockchain asset-tracking PaaS
- Owned multi-year architecture and delivery of revenue-critical systems generating up to \$80M+ in monthly revenue; ~2× average enterprise delivery-KPI improvement and 99.9% on-target delivery across 10+ enterprise and startup projects
- Evaluated, selected, and operationalized AI-powered workflows across engineering, marketing, sales, research, and business operations — personally vetting the monthly stream of new AI tools and adopting only what measurably improved output
- Rescued 3 high-risk startups from missing critical MVP targets; mentored and upskilled distributed teams of 5–20 engineers
- Delivered enterprise platform transformations for Verizon (CAPEX/OPEX reporting), Condé Nast (marketing micro-site infrastructure), and American Family Insurance (home inspection app)

Halliburton

Senior Staff Engineer 3/2018-8/2025

(Long-term Vestive engagement)

- Led architecture for modernization of a legacy SAP ECC-based ERP SaaS platform to SAP S/4HANA serving 30,000+ daily users, increasing release velocity and operational resilience
- Directed a 12-month billing and accounting cost center SaaS modernization and delivery; reduced QA/UAT defect churn by 70%+, lowering operational risk and support overhead
- Introduced AI-assisted development with Cursor into the delivery workflow, bringing AI-native practices into a regulated SAP enterprise environment
- Modernized DevOps, CI/CD, and cloud infrastructure delivery, aligning engineering, finance, and field ops around revenue-critical workflows

The Daily Beast

Technical Lead 1/2015-5/2016

- Managed a team of 5 engineers and served as CTO Chief of Staff, leading cross-functional reorganization across Engineering, Product, QA, Design, and AdOps
- Transformed the Adobe Experience Manager-backed CMS and AdOps systems; created a roadmap to decouple the Apache Felix front-end into scalable Node.js deployments
- Reduced page load times and drove a ~15% production decrease in bounce rate, improving ad delivery performance and user engagement

ADDITIONAL EXPERIENCE

- **Paramount (Comedy Central, MTV, BET) — Software Architect — 5/2016-1/2017**
Architected a cross-device video ad API delivering ads to millions of viewers across global brands (Comedy Central, MTV, BET), reduced bug churn by 70%+ through improved JavaScript architecture based on SOLID principles and implemented VAST/VPAID integrations with major ad platforms.
- **Brabble — Lead Front-End Engineer — 5/2013-1/2015**
Designed social media platform using Ember and Node micro services, including a reusable web SDK that unified build, deployment, and authentication across influencer marketing landing sites, as well as first-party ad campaign management SaaS, while managing AWS, CI/CD, and cross-team releases.
- **UrbanDaddy — Director of Front-End Engineering — 10/2010-5/2013**
Managed a 5-person in-house agency while architecting e-commerce and publication platforms, including a multi-million-dollar Adobe Commerce Cloud product. Built cross-browser front-end frameworks with integrated testing, established development standards, collaborated closely with QA, product, and design, and drove company-wide meetings and technical alignment.
- **kikin — Lead Front-End Engineer — 6/2009-9/2010**
Led a 2-3-person team building cross-browser JavaScript applications deployed across the entire web, collaborating with browser extension teams to design APIs, define web-to-native messaging protocols, reverse-engineer DOM structures, and integrate mapping, social, and ecommerce APIs.
- **GXStudios — Lead Front-End Engineer — 3/2008-6/2009**
Built the PickTeams multi-session JavaScript RIA/Ajax gaming platform, designing scalable session architecture to support performance under load. Contributed to the platform's user experience and interface design, and developed interactive games using Adobe Flash and ActionScript.
- **DEC Interactive — Lead Front-End Engineer — 3/2007-3/2008**
Developed the RealtyMX SaaS real estate platform using Microsoft IIS, SQL Server, and ColdFusion. Built a reusable ColdFusion component framework to standardize shared functionality across client websites, and refactored the back-end codebase to improve performance and maintainability.
- **Christopher Thompson, CPA & Associates — IT Administrator — 9/2004-3/2007**
Developed internal intranet applications while providing systems administration, help desk support, database administration, and network administration. Recovered over six figures in outstanding collections by leveraging investigative skip-tracing techniques and data analysis to resolve long-standing cold cases, while also serving as a skip-tracing and collections agent.

EDUCATION

- **Queens College (CUNY) / C.W. Post (LIU) — Computer Science Coursework — 2004-2008**
- Degree not completed. 20+ years of professional industry experience. Planning to pursue MBA.