

# BEN VISINTAINER

Bozeman, Montana

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## SUMMARY

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Software engineer and technical leader with 20+ years building production systems at scale, from Nordstrom's merchandising planning platforms to IoT architectures at Resideo. Currently designing an AI-consumable Angular application framework (@teqbench): a layered package ecosystem with enterprise CI/CD, rich TSDoc documentation, and machine-readable conventions that enable AI coding tools to scaffold production applications from day one. Proven track record leading engineering teams to 250%+ productivity gains, driving architectural modernization, and translating complex requirements into scalable solutions. Seeking senior IC, architecture, or engineering leadership roles.

## PROFESSIONAL EXPERIENCE

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### Founder & Principal Engineer | TeqBench 2024 – Present

- Designed and built a layered Angular package ecosystem (@teqbench): 9 published npm packages with shared domain models, pluggable error handling, resilient HTTP services, and opinionated Material Design 3 UI components (notifications, banners, dialogs).
- Architected centralized CI/CD infrastructure and deployment pipeline (GitHub Actions, Vercel, Supabase) across all repositories, with automated semantic versioning (Release Please), dependency management (Renovate), security auditing, and dynamic Shields.io status badges.
- Built a custom API documentation engine replacing Microsoft API Documenter, with TSDoc parsing, cross-reference resolution, type linkification, and Fuse.js client-side search — because existing Angular doc tools are out of date.
- Developed Trading Toolbox (tradingtoolbox.vercel.app), a trading journal with multi-source CSV import (TradingView, Kraken, Coinbase, Robinhood), position modeler with tax calculations, and OAuth authentication (Google, GitHub, magic link).
- Built MyLiists (myliists.com), a rolling task management platform on Angular, Supabase, and Vercel; extracted reusable patterns into the @teqbench package ecosystem.
- Pioneered AI-assisted development workflow using Claude Code with 13 shared skills (forked + adapted from open source), codifying conventions for commits, DI patterns, code review, module boundaries, and Angular best practices across all repositories.
- Developed standardized GitHub template repositories for packages and web applications, ensuring consistent tooling (strict TypeScript 5.9, Vitest with 80%+ per-file coverage, ESLint, Prettier, Husky, conventional commits via Release Please, and strict module boundaries via Sheriff) across the entire ecosystem.

### Solution Architect | Resideo Feb 2022 – Aug 2023

- Designed high-level solution architecture for proprietary IoT devices, synthesizing requirements from Engineering and Product teams into actionable technical roadmaps.
- Co-authored a universal domain model and championed a model-first engineering paradigm for Resideo's IoT device portfolio, driving adoption of versioned, schema-driven data models.
- Accelerated cross-functional delivery by bridging Product and Engineering through precise requirements identification, UX refinement, and implementation dissemination.
- Created a reusable diagramming component library for IoT-to-platform data paths, reducing redundancy across projects and establishing architectural consistency.

### Software Engineer | INFINETIX 2019 – 2022

- Engineered a .NET desktop application for real-time graphical visualization of pipe analysis samples across four simultaneous data channels.
- Built an IoT proof of concept integrating agricultural environmental controls with cloud data logging via .NET Core, Azure Cosmos DB, Angular, and a custom web dashboard.
- Prototyped OpenFMB protocol compatibility with ultra-low-powered endpoints using MQTT/MQTT-SN, Go, RabbitMQ, and BeagleBone Black.

## Senior Engineer II / Senior Staff Engineer | Nordstrom 2017 – 2019

- Authored an architectural roadmap for Nordstrom's merchandising planning platforms, driving the transition to modern service-oriented architecture.
- Provided technical leadership recognized by business partners for cross-functional collaboration on applications driving business growth and operational optimization.

## Director of Engineering | Schedulicity 2016 – 2017

- Restructured a six-member engineering team embracing remote + hybrid culture, incorporating offshore and nearshore contractors for staff augmentation, and achieving 250%+ productivity increase within nine months.
- Built on-call protocol (PagerDuty + New Relic) and grew product knowledge base documentation from near-zero to 2,000+ Confluence articles in under a year to support engineering, QA and customer support teams.
- Served as System Architect for vendor integration using Go, TypeScript, Node, Protocol Buffers, and MongoDB.

## Software Engineer / Staff Engineer | Nordstrom 2006 – 2015

- Architected an SOA-based designer label customer management platform and contributed to initiatives spanning marketing preferences, cross-border exchange rates, and planning applications.
- Led the organization-wide migration from TFS to Git, establishing standardized workflows and mentoring team members into full-stack engineering capabilities.
- Key member of the pilot project to adopt Agile methodology, developing tailored enterprise adoption guidelines.
- Implemented a 96% performance improvement for batch tax processing execution times.

**Earlier:** Software Engineer at Ascentium (2004–2006) serving Fortune 500 clients; Software Engineer at Next IT (2003–2004) building NLP chatbot tooling and FPML data models for conversational AI. Additional early-career work in embedded systems, IoT firmware, and hardware-software integration.

## TECHNICAL SKILLS

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**Languages:** TypeScript, Python, C#.NET, Go, SQL, HTML/CSS/SCSS

**Frameworks:** Angular 21, Angular Material (M3), React, Node.js, ASP.NET, Vite

**Cloud & Infrastructure:** Supabase (PostgreSQL, Auth, Edge Functions), Vercel, Azure (Cosmos DB), Docker

**AI & Tooling:** Claude Code, AI-assisted development workflows, QuantConnect, TradingView

**CI/CD & DevOps:** GitHub Actions, Release Please, Renovate, Vitest, ESLint, Prettier, ng-packagr

**Data & Protocols:** GraphQL, REST, MQTT/MQTT-SN, Protocol Buffers, OpenFMB, RabbitMQ

**Architecture:** Solution Architecture, Microservices, IoT Systems, Domain Modeling, Package Ecosystem Design

## EDUCATION & LANGUAGES

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**Bachelor of Science, Computer Science & Italian Studies** | Gonzaga University

English (native) • Italian (conversational)