

Austin Lippert

Senior Full Stack Engineer

Knoxville, TN (open to remote) | [linkedin.com/in/austinlippert](https://www.linkedin.com/in/austinlippert) | aternex.com

Summary

Self-taught full stack engineer with 20+ years of production work, often as the only engineer on the problem. Builds and modernizes payment, data and line-of-business systems, leaves code the team can safely change, and measures every result. The 2026 results below were delivered with AI coding agents (Claude, Codex), with every change going through tests, code review and CI gates.

Selected Results

- Built a PCI-compliant payment gateway from scratch as employee #7 at Ministry Brands (2014); it became Payment Brands, processing \$15B+ a year.
- Cut the runtime of the same operations by more than 90% and cloud cost by 85% by moving legacy processes to AWS, InhabitIQ (2021).
- Cut a logistics analytics pipeline cycle from 11 to 16 minutes to under 20 seconds on a warehouse built from scratch, Resultstack (2026).
- Repaired a browser test suite from 0 of 103 passing to 111, and added 458 unit and integration tests: 569 in all, Resultstack (2026).

How each figure was measured, and its limits: aternex.com/proof

Experience

Independent Consultant (corp-to-corp) | Aternex LLC | Remote

2022 – Present

Owner of a contract software practice; engagements below were delivered through it.

Lead Developer (contract) | Resultstack

2026

- Built a logistics operator's PostgreSQL warehouse and ETL from scratch on bronze, silver and gold layers (about 300M source rows, 40M in gold), loading by watermark through stored procedures and idempotent upserts so each minute's run handles thousands of changed rows instead of hundreds of thousands.
- Traced 30 seconds of a 50-second pipeline cycle to serialized metadata calls and removed them in code, without a larger server.
- Rebuilt a 38,000-line Blazor client in React and Next.js and rewrote its pipeline in Node, staying through each deployment.
- For an industrial manufacturer, cut browser-suite runtime from 29 minutes to under 6 and found seven defects, each with a fix written.

Lead Developer (contract) | TeamHealth | Remote

2025 – 2026

- Built clinical analytics dashboards in Vue 3 and C# REST APIs over about 2 billion HL7 records, copied from an Oracle-fed clinical platform into SQL Server.
- Showed clinical metrics with no patient details, behind role-based access, on the internal network.
- Built a per-facility field check showing operations managers where a new facility sent data that reporting and billing expected elsewhere.

Senior .NET Developer (contract) | MedSuite, InEight, BlueModus, Optu | Remote

2022 – 2024

- Led the move from TFS to Git with a pull-request review process at InEight, making deployments 60% faster and less error-prone.

- Raised client sites' Lighthouse scores at BlueModus from the 70s to the low 90s with a Kentico module that resized and compressed images on upload, and with corrected accessibility markup.

Senior .NET Software Developer | InhabitIQ | Remote

Full-time | 2021 – 2022

- Fixed the largest cost, database hosting, taking it from about \$6,000 to \$55 a month.
- Tuned CI/CD pipelines with unit tests running in every build, cutting deployment time 60% and deployment errors to zero.

Senior .NET Software Developer | Check Into Cash | Cleveland, TN

Full-time | 2019 – 2021

- Built a customer-facing lending application in Blazor and C#, lifting loan conversion 40% and cutting application completion time 81.25%.
- Created a reusable component library that ended the need for dedicated front-end sprints.
- Trained 8 developers on SOLID, OOP and set-based SQL, improving application performance and reducing database load.

Senior .NET Software Developer | TouchPoint Software | Knoxville, TN

Full-time | 2018 – 2019

- Mentored an offshore team of five through pull-request review and kept ETL processes running across disparate platforms.
- Moved builds and tests to cloud-based agents, making release cycles faster and less error-prone.

Senior .NET Software Developer | Ministry Brands | Knoxville, TN

Full-time | 2014 – 2018

- Designed the gateway as PCI-compliant ASP.NET REST microservices with per-brand tokenization, reducing each brand's PCI scope.
- Built Vue.js staff tooling to onboard clients onto the gateway, and a form-builder app that let clients collect feedback and take payments.
- The gateway became a new revenue line while the company grew from 14 to 800 developers through 90+ acquisitions.
- Set up CI/CD pipelines with DevOps, adding automatic test runs and merge checks that reduced deployment errors.

Earlier Experience

2003 – 2014

- Software Developer | ATC Nuclear | 2013 – 2014
- Software Engineer | TransCard | 2011 – 2012: real-time fraud analytics; maximum risk 96.7% below average for monitored attack vectors, damages cut 60%
- Software Developer | CSS Manufacturing | 2010 – 2012: retained at double rate on nights
- IT Analyst | TeamHealth | 2007 – 2010: built a quick screen (16 screens in one, caller greetings popped on screen) that cut average handle time from 140 to 65 seconds and training from a month to half a day; imported ~5,000 calls in under 5 minutes, and completed calls rose from ~300 to nearly 3,500
- IT Specialist | Comcast | 2003 – 2007: first development role; replicated Oracle data to SQL Server and replaced printed weekly and monthly AS/400 reports, retyped into Excel by hand, with a real-time reporting website, agent commissions included; built an outage ticketing system for the 6 regions the call center served

Skills

Languages: C#, TypeScript, JavaScript, SQL, Python

Back end: .NET, ASP.NET Core, Web API, Entity Framework, Dapper, ADO.NET, Node.js, Express, Prisma, Drizzle

Front end: React, Next.js, Blazor, Vue 3, Angular, Tailwind CSS

Data: SQL Server, PostgreSQL, stored procedures, ETL, medallion layers, incremental loads, Snowflake

Integration: REST APIs, SFTP, CSV and tab-delimited files, SQL Agent jobs, cron, Azure Functions

Delivery: AWS, Azure, Docker, CI/CD (Azure DevOps, GitHub), Playwright, Jest, xUnit, AI coding agents