

Tom Marler

Senior Software Engineer · Applied AI & Full-Stack

tom@tommarler.com

tommarler.com

www.linkedin.com/in/tom-marler | github.com/tommy3531 | github.com/pokepitchshop

SUMMARY

Senior full-stack engineer with 6+ years building production systems across insurance, logistics, and e-commerce, specializing in applied AI — Azure OpenAI, retrieval-augmented generation (RAG), and agentic workflows. Pairs deep backend expertise (Java / Spring Boot) with modern front-end work (React / Next.js) and a habit of mentoring engineers and shipping measurable impact.

CORE SKILLS

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

Web & Frameworks: Spring Boot, React, Next.js, .NET, REST APIs

Applied AI: Azure OpenAI (GPT-4o), RAG, prompt engineering, agentic workflows, structured/JSON-schema output

Cloud & Platforms: Azure, Microsoft Graph API, Microsoft 365

Practices & Tooling: TDD, XP, pair programming, CI/CD, Moderne, OpenRewrite

Security: OSINT, threat assessment, DoD clearance processes

EXPERIENCE

Allstate Insurance

Jul 2022 – Present

Senior Software Engineer, Full-Stack

- Architected a multi-account Microsoft 365 email-intelligence pipeline using the Graph API, Spring Boot, and Azure OpenAI (GPT-4o) that classifies incoming email by intent and applies category tags directly in Outlook.
- Engineered a prompt-templating system that extracts structured intent metadata (category, confidence, urgency) from raw email, enforcing a JSON schema for reliable downstream parsing.
- Led automated large-scale refactoring with Moderne and OpenRewrite across services migrating Spring Boot versions, eliminating deprecated APIs, and standardizing patterns reducing manual remediation effort and improving long-term maintainability.
- Coach and mentor junior engineers in TDD, XP, and modern development practices, fostering a culture of continuous learning.
- Practice daily pair programming and test-driven development, and drive standups, iteration planning, and retrospectives to keep the team aligned and improving.

MidwayUSA

Sep 2020 – Jul 2022

Lead Merchandising Developer

- Reduced chargebacks by engineering a fraud-detection system that validated customer credentials against known data-breach databases.
- Built full-stack web applications in C#, maintaining high standards of code quality and test coverage.

Shelter Insurance

Jul 2019 – Sep 2020

Java Software Developer

- Cut credit-report processing from 14 days to near real-time by building a Spring Boot service integrated with LexisNexis to dynamically re-evaluate risk.
- Improved code readability and team velocity through targeted refactoring of the existing codebase.

Quarkworks

Dec 2017 – Aug 2018

iOS / Web Developer

- Built customer-facing web features (JavaScript, HTML, CSS) and redesigned a social profile page to add follow/follower functionality, increasing user engagement.

Disabled American Veterans (DAV)

Aug 2018 – Jul 2019

Digital Marketing Associate

- Ran awareness campaigns for veterans' issues and coordinated with the VA transportation program to help veterans reach medical appointments.

ENTREPRENEURSHIP & VENTURES

Concurrent with full-time employment.

JmacLogistics

Nov 2020 – Present

Co-Founder & Developer, Full-Stack

- Own technical direction and architecture, building Python applications that surface government-contract data to expand contracting opportunities.
- Applied OSINT techniques to identify and target prime contractors, driving strategic business development, and built a CRM to organize a growing partner network.

Mavericks Pizza

Jan 2025 – Jul 2025

Owner

- Launched a pizza business from concept to execution, owning all operational, staffing, and strategic decisions under real-world constraints.
- Managed inventory, vendor relationships, customer experience, and financial performance day to day.

MILITARY SERVICE

U.S. Marine Corps / Missouri Army National Guard

Jul 2002 – Dec 2016

Protective Services / Security Clerk

- Conducted threat assessments and advanced surveillance in high-risk international environments (Africa, Yemen) to identify and neutralize risks before escalation.
- Coordinated with team members and law enforcement to ensure gap-free coverage under clear communication protocols.
- Reviewed, audited, and processed security-clearance paperwork to DoD and federal standards; held an active Secret clearance throughout tenure (2002–2016).
- Received a certificate of excellence for building a database that directly supported mission success while deployed to Qatar.

PROJECTS

PokePitchShop · www.pokepitchshop.com

Solo build — Next.js, eBay Trading API. Designed and shipped a discovery-first e-commerce storefront for a collector-owned trading-card business, with live inventory synced from the eBay Trading API.

EDUCATION

University of Missouri, Columbia 2015 – 2017

B.S., Information Technology