

BRANDON WLAZELEK

Senior Software Engineer Technical Lead — Client Platforms, APIs, AI-Enabled Workflows

Greater Philadelphia Area | (610) 823-0630 | bwlazie@gmail.com | linkedin.com/in/brandon-wlazelek-3a7a63122 | github.com/Bwlazelek | brandonwlazelek.com

PROFESSIONAL SUMMARY

Senior Software Engineer Technical Lead who builds reliable, high-scale client platforms across Vanguard. Known for modernizing legacy workflows into production-grade APIs, improving system reliability, and delivering client-facing capabilities on time. Hands-on with workflow automation, observability, AI-assisted engineering, and scalable service-platform patterns.

CORE IMPACT

- Scaled Investor Choice proxy-voting micro frontend (MFE) and API traffic from ~1K calls/day to 1M+ calls/day before proxy season.
- Improved latency 4x for high-volume API flows while maintaining 99.99% uptime and helping reduce major incidents to zero this year.
- Delivered Investor Choice from November 2024 intake to March 1, 2025 launch before proxy season, then continued shipping enhancements for new fund launches, mobile voting, and 529 plan voting.
- Delivered \$81,575 annualized recurring savings by stabilizing FreeRide reporting, a trading-violation workflow that flags and restricts accounts after unsettled-funds activity.
- Supported \$2.3M across 81.1K transactions in five business days through Auto Sell architecture for RMD accounts under \$100.

EXPERIENCE

Vanguard — Senior Software Engineer Technical Lead | Malvern, PA | July 2025 – Present

Vanguard — Technical Lead I | Malvern, PA | March 2023 – July 2025

- Architected and launched the Investor Choice proxy-voting micro frontend (MFE), embeddable through a single HTML tag and adopted across Vanguard client experiences; scaled usage from ~1K calls/day to 1M+ calls/day while continuing on-time delivery of product enhancements.
- Designed and operate the Fully Paid Lending (FPL) data API using API Gateway, Python Lambda, and DynamoDB, supporting secure-site and trading-path consumption at 1M+ calls/day.
- Improved API latency 4x through observability, dashboarding, and performance tuning using Honeycomb, Splunk, and OpenTelemetry practices.
- Maintained 99.99% uptime across team-owned systems and helped reduce major incidents to zero this year through stronger runbooks, monitoring, and platform hardening.
- Modernized Margin Reports and FreeRide workflows—risk/compliance processes that identify accounts needing margin-call action or trading restrictions—by replacing legacy COBOL/stored-procedure patterns with daily-file processing, automated notifications, restriction workflows, and contact-event creation.
- Led migration from legacy access patterns to modern API contracts, coordinating partner teams across platform and integration layers.
- Contributed to Auto Sell architecture for RMD accounts under \$100, enabling \$2.3M / 81.1K transactions processed in five business days.
- Initiated OpenDeck, an internal AI-assisted workflow prototype for crew productivity; led most of the architecture and implementation while coordinating a developer team outside formal team responsibilities, with a leadership pitch scheduled; completed GitHub Copilot TAF certification and mentor engineers through Vanguard's MIT program.

Vanguard — Application Developer | Malvern, PA | June 2019 – March 2023

- Migrated cost-basis data from a vendor data center into Vanguard AWS using AWS DMS, enabling real-time analytics and BI reporting.
- Decoupled Tax Center functionality from a legacy monolith into microservices, enabling continuous delivery and modern service architecture.
- Built cloud storage and scheduling solutions using CloudFormation, Storage Gateway, S3, and RESTful microservices for investment and withdrawal workflows.
- Earned 1st place at the RTS Hackathon for the Dexter UI prototype, achieved Stack Overflow Top Contributor status, and earned Level 2 Security Champion certification.

EARLIER EXPERIENCE

Vanguard — IT & Security Risk and Control Intern | Malvern, PA | May 2018 – August 2018

BAE Systems — Software Engineer Intern | Wayne, NJ | May 2017 – August 2017

EDUCATION

The Pennsylvania State University — Bachelor of Engineering in Computer Engineering | GPA: 3.22

Awards: Wegmans Scholarship, Decker Scholarship, Dean's List

TECHNICAL SKILLS

Cloud & AWS: Lambda, API Gateway, DynamoDB, DMS, S3, CloudFormation, Storage Gateway, Step Functions, EventBridge, Glue, Redshift, Aurora

Languages & Frameworks: Java, Python, TypeScript, Spring Boot 3, Spring 6, Node.js, React, Angular

Architecture & APIs: REST APIs, API contract design, microservices, enterprise integration, communication-channel workflows, legacy modernization

Databases & DevOps: PostgreSQL/relational databases, Liquibase, CI/CD deployments, schema migration, release automation

Observability & Reliability: Honeycomb, Splunk, OpenTelemetry, SLI/SLO design, latency analysis, production support, runbooks

AI & Client Channels: GitHub Copilot TAF, internal AI workflow prototype, AI-assisted engineering, scalable client-service platforms

Leadership: Technical leadership, cross-team delivery, architecture authoring, technical interviewing, mentorship