

TECHNICAL SKILLS

Languages: C#, TypeScript, Go, JavaScript, Erlang

Backend & Runtime: .NET, Node.js, BEAM (OTP)

Cloud & Messaging: AWS (EC2, ECS, S3, SQS, SNS), Kafka

Data Stores: PostgreSQL, OpenSearch, DynamoDB, MongoDB

Frontend: React, Angular, HTML/CSS

EXPERIENCE

Vesta - *Founding Software Engineer / Tech Lead* 2021 - 2025

- First engineering hire. Built a mortgage origination platform from 0 → production → scale; now the system of record for lenders like [PennyMac](#) (#2 US mortgage lender)
- Tech Lead for the Process Automation team (4 engineers). Primary owners of the no-code platform for assembly-lining and automating the mortgage origination process.
- IC owner of core backend and platform systems, including the loans pipeline, task engine and ontology, and async worker systems
- Defined reference patterns for auth, composable UI, and integrations

Twitch - *Software Engineer - Backend and Platform Engineering - Edge Platform, Async Squad* 2019 - 2021

- EventBus: Twitch's internal eventing platform. Self-service infrastructure and client libraries for internal use, processing billions of events per week
- WebSub: Twitch webhooks (v0, now deprecated, replaced by EventSub)
- EventSub: Twitch webhooks, v1: <https://dev.twitch.tv/docs/eventsub>

Blend - *Software Engineer - Lending Platform* 2016 - 2019

- Architected and implemented asynchronous worker system (Node.js, AWS SQS, Docker, Ansible)
- Led design and implementation of transition to multitenant architecture, reducing AWS spend by > \$100K annually
- Led development of end-to-end testing, load testing, and monitoring strategies for our core backend API service
- Built full-stack product features supporting Blend's growth from zero customers to an industry leader; platform has now originated \$1T+ in loan applications

Acumen LLC - *Data Analyst / Statistical Programmer* 2013 - 2015

- Led design and implementation of standard library of SAS macros for the MACPAC data team
- Programmed Medicaid cost-cutting policy analyses in SAS, Stata, SQL, and R on 10+ TB of data representing 15 years of nationwide Medicaid records
- Led optimization of MACPAC data team programs - removed days of runtime from each analysis performed

EDUCATION

Johns Hopkins University: BA Economics

2009 - 2013