

Bryan DeLeon

SENIOR SOFTWARE ENGINEER

AWS CERTIFIED

CONTACT

Denver, CO

bdeleon@alum.mit.edu

linkedin.com/in/bdeleon

github.com/bdeleon

SKILLS

Languages

Python · Java · C# · SQL · R · Objective-C · Swift · MATLAB · Ruby

Frameworks & Tools

Django · Flask · Docker · Kubernetes · Terraform · Chef · PySpark · Stripe · Avalara · Segment · Klaviyo

Cloud / AWS

ECS · Lambda · Redshift · CodePipeline · CloudFormation

Practices

REST APIs · TDD · CI/CD · Agile/Scrum · OOP

Human Languages

English (native) · Spanish (working)

EDUCATION

Massachusetts Institute of Technology

B.S. Management Science
Finance & Economics
2002 – 2006

University of Chicago

M.S. Computer Science
2013 – 2015

SUMMARY

Software engineer with an M.S. in Computer Science (University of Chicago) and a B.S. from MIT. 12+ years of experience building backend systems, cloud infrastructure, and data pipelines. AWS certified. Background in quantitative finance brings an uncommon perspective on building systems that have to perform under pressure. Strong advocate for clean code, high test coverage, and reliable deployments.

EXPERIENCE

Sunday

Nov 2022 – Present
Boulder, CO / Remote

Senior Back-end Engineer

- Owned a large-scale architectural refactor to decouple the core cart system, reducing technical debt and preserving critical business logic with minimal oversight.
- Designed and built a store credit service integrated across purchase order confirmation, subscription reauthorization, and tax recalculation.
- Diagnosed and resolved a series of critical issues in the flex pay installment system — including auth-fail recovery flows, subscription state remediation, and store credit application across multi-payment sequences.
- Redesigned the Stripe integration for improved scalability, adding Apple Pay and Google Pay support.
- Built proactive health monitoring alerts for out-of-stock inventory, overdue subscriptions, and cart anomalies — surfacing issues before they reached production.
- Maintained and extended integrations with Avalara (tax), Klaviyo (email), Segment (analytics), UPS (shipping), and Amazon (soil test acquisition channel).
- Managed recurring Django LTS upgrades, keeping the platform current with each new long-term support release.

Wayspring

Mar 2018 – Nov 2022
Nashville, TN / Remote

Senior Software Engineer

- Architected and maintained end-to-end CI/CD pipelines across development, staging, and production using AWS CodePipeline, CloudFormation, and ECS.
- Designed and delivered multiple production-grade REST APIs using Django REST Framework, sustaining 90%+ test coverage across all repositories.
- Introduced an event-driven architecture via AWS Lambda, decoupling core services and improving overall system resilience.
- Built a proof-of-concept EHR integration delivering patient risk data into a provider's system on appointment creation.
- Collaborated cross-functionally to ship an MVP care management platform in six weeks, meeting a hard deadline to support a new line of business pilot.

HealthStream

Mar 2016 – Mar 2018
Nashville, TN

Data Solutions Developer

- Designed and delivered a scalable data reporting platform on Amazon Redshift, supporting business intelligence needs across the organization.
- Engineered ETL pipelines to migrate data from MSSQL to Redshift and tuned query performance against tables containing tens of millions of records.
- Provisioned and maintained cloud and on-premises infrastructure using Terraform and Chef.

Authentify

Software Engineer

Jan 2014 – Mar 2016
Chicago, IL / Nashville, TN

- Developed multi-language SDKs and reference applications (mobile and web) to accelerate developer adoption of the company's out-of-band authentication platform.
 - Built an iOS application featuring biometric authentication — voice and fingerprint verification — using Objective-C.
 - Deployed and maintained RESTful services on AWS EC2 using Python/Flask and Java/Jersey frameworks.
-

Gelber Group

Trader / Financial Engineer

Jul 2009 – Jan 2014
Chicago, IL

- Researched, developed, and automated a futures pricing model that traded live across multiple products and exchanges — from concept through to production deployment.
 - Built a suite of C# trading tools that ingested live market data and surfaced actionable signals for daily decision-making.
 - Developed MATLAB backtesting applications to rigorously evaluate and stress-test pricing models before going live.
-

Hard 8 Trading

Trader

Jan 2008 – May 2009
Chicago, IL

- Traded and managed option positions; conducted daily analysis of portfolio performance and risk.
 - Developed MATLAB scripts to backtest and assess model viability.
-

Susquehanna International Group

Assistant Trader

Jul 2006 – Dec 2007
Chicago, IL (CBOE)

- Supported three veteran traders, including the head of the Chicago office, in one of the largest equity option pits on the CBOE.
- Wrote VBA macros tracking live position data and automated Excel tasks for trading data.