

# Amey Khairnar

[ameyrk.me](https://ameyrk.me)

Cambridge, MA – [ameykhairnar99@gmail.com](mailto:ameykhairnar99@gmail.com) – +1 (682) 552-6369

Github/[ameyrk99](#) – LinkedIn/[ameyrk](#)

## EXPERIENCE

**Amazon Robotics**

*Software Development Engineer*

**Westborough, MA**

*October 2021 – August 2024*

- Built a cloud-based fault detection system for warehouse devices (drive units, safety vests, chargers, etc.) that continuously analyzes telemetry to preemptively create work tickets, preventing stoppages.
- Contributed to the design and implementation of a serverless OTA firmware deployment platform for safety vests and a 600k+ always-on drive unit fleet enabling large-scale automated rollouts and monitoring.
- Developed and maintained AWS data pipelines and microservices to extract, transform, and deliver telemetry for ML, analytics, and internal tooling consumers.
- Created scripts for remote injection, enabling telemetry extraction from drive units, providing data inputs for the fault-detection system.

**Bridgewater State University**

*Graduate Quantitative Fellow*

**Bridgewater, MA**

*Sept 2025 –*

Provide one-on-one and group support to students in quantitative reasoning, statistics, and data analysis across academic programs.

## EDUCATION

**Bridgewater State University**

*Master of Science in Computer Science*

**Bridgewater, MA**

*Sept 2024 – May 2026 (expected)*

**University of Texas at Arlington**

*Bachelor of Science in Computer Science*

**Arlington, TX**

*Aug 2017 – May 2021*

## SKILLS

**Languages:** TypeScript/JavaScript, Python, Swift, SQL, Kotlin

**Frameworks/Libraries:** ReactJS, Flask, SwiftUI, Bootstrap

**Cloud Technologies:** Heroku, Firebase, Google Cloud Functions, Serverless

**AWS:** Lambda, DynamoDB, API Gateway, SNS, SQS, Glue

**Other:** Git, GNU/Linux, L<sup>A</sup>T<sub>E</sub>X

## PROJECTS

**Flux**

*Plan & journal MacOS app*

[ameyrk.me/Flux/](https://ameyrk.me/Flux/)

2025

Personal project that uses elaborate day planning and responsive journaling to create enhanced positive and negative feedback mechanisms than TODO lists.