

Amey Khairnar

ameyrk.me

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Github/[ameyrk99](https://github.com/ameyrk99) – LinkedIn/[ameyrk](https://www.linkedin.com/in/ameyrk)

EXPERIENCE

Amazon Robotics

Software Development Engineer

Westborough, MA

October 2021 – August 2024

- Developed a fault detection system for warehouse robots and devices (drive units, safety vests, chargers, etc) that uses continuous analysis and automated work ticket creation for response.
- Designed and implemented over-the-air firmware deployment system and portal for safety vests, 600,000+ always-on drive unit fleet, and other devices.
- Built and maintained multiple data pipelines and microservices to support drive unit fleet, distributed to several internal customers for machine learning, analysis, and other operations.
- Created scripts for remote injection, enabling log and data extraction from drive units.

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^AT_EX

PROJECTS

Flux

Plan & journal MacOS app

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.