

# Amey Khairnar

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## 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 micro-services to support drive unit fleet, distributed to several internal customers for ML, analysis and other operations.
- Created scripts for remote injection, enabling log and data extraction from drive units.
- TypeScript, ReactJS – Python, Flask, Bootstrap – Kotlin – AWS

### Lenovo

*Software Engineer Intern*

Morrisville, NC

*June – August 2020*

- Worked on full-stack tasks for portal for Smart Office’s Think Smart devices and wrote scripts for miscellaneous data aggregation
- TypeScript, Angular – Java, Spring – MongoDB

## SKILLS

**Languages:** TypeScript/JavaScript, Python, C/C++, Kotlin, SQL, Bash

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

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

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

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

## EDUCATION

### Bridgewater State University

*MS Computer Science*

Bridgewater, MA

*September 2024 – May 2026 (expected)*

### University of Texas at Arlington

*BS Computer Science*

Arlington, TX

*August 2017 – May 2021*