

# Erdun E

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Software Engineer with 2 years at Amazon AWS specializing in storage systems, distributed infrastructure, and performance optimization. Seeking 2026 New Grad Roles.

## EDUCATION

**Northeastern University**, Khoury College of Computer Sciences (Miami, FL)

Expected May 2026

Master of Science in Computer Science, 2025 Outstanding Network Student Award

GPA 4.0

**University of Massachusetts Lowell**, Kennedy College of Sciences (Lowell, MA)

December 2020

Bachelor of Science in Computer Science, Minor Asian Studies, Dean's List (2 semesters)

## WORK EXPERIENCE

**Superstars**

May 2025 - Aug 2025

**Software Engineer Intern (Flutter, Dart, Postman, API, Android, iOS, CI/CD)**

Miami, FL

- Developed full five-step “Create Story” workflow (Upload, Edit, Description, Preview, Integration) with camera or device video support, trimming, and draggable text overlay, matching Figma designs across Android and iOS
- Built and optimized CI/CD pipelines with 11+ GitHub Actions checks, reducing manual review effort by 30% and accelerating PR feedback cycles while improving deployment reliability team-wide.
- Authored the team’s Developer Guide (8 chapters, 100+ steps), wrote 3 technical investigation reports, and documented 5+ Jira tickets with root causes and fixes to improve onboarding and cross-team knowledge sharing.

**Amazon Inc.**

August 2021 - July 2023

**Software Development Engineer: Amazon Web Services (Python, Java, C++, Bash, SQL, AWS)**

Boston, MA

- Played a key role in three Log-Structured Replication (LSR) release projects on the EBS Server LEGO platform.
- Conducted qualification tests and performance evaluations for over 10 new firmware versions and 6 disks, saving over \$30M in purchasing costs by identifying high-performance, cost-effective components (e.g., Micron7400 8TiB)
- Handled 24/7 on-call responsibilities for over four weeks, resolving 180+ severity-level 2 tickets and assisting in two Large-Scale Event (LSE) incidents to ensure system stability and customer satisfaction.
- Standardized performance testing for new disk and firmware versions across four ASH server platforms, creating baseline metrics and an onboarding wiki that accelerated training for new hires.
- Spearheaded a long-term optimization initiative, developing comprehensive guidance for disk and firmware qualification evaluations, reducing team time investment, and improving testing consistency.

**LSR New Version Release | Amazon Web Services (Python, Java, Bash, AWS)**

- Designed and executed test plans for LSR 3.6–3.7.1 across 20,000+ EBS servers in 50+ Availability Zones (AZs), ran 20+ stair-step tests, 14 fault injections, and resolved 15+ tickets and 200+ failures to ensure a 100% success rate.
- Optimized drain and isolation logic in LSR 3.7.1, reducing per-server isolation time by 15–25 minutes and improving overall deployment efficiency by 17–50%.

**Disk/FW Qualification Evaluation | Amazon Web Services (Python, Bash, AWS)**

- Led evaluations for six disk models and 10+ firmware versions, creating a 60-step qualification guide and detailed troubleshooting manual used to onboard 20+ engineers.
- Standardized and automated testing across ASH platforms, saving 4–5 hours per release cycle and driving \$30M+ in cost-optimized component selection.

## SKILLS

**Programming Languages:** Python, Java, Kotlin, Dart, SQL, C/C++, Bash, Rust, JavaScript, HTML/CSS, Prolog, Perl

**Frameworks & Tools:** Spring Boot, Flask, React, Flutter, Bloc, Retrofit, REST APIs, Postman

**Machine Learning & Data:** scikit-learn, pandas, NumPy, matplotlib, seaborn, TensorFlow, PyTorch, Jupyter Notebook

**Cloud & DevOps:** AWS (Lambda, EC2, EBS, S3, Redshift, CloudWatch), Docker, GitHub Actions, CI/CD, DevOps Tools

**Database Systems:** MySQL, MariaDB, SQLite, Firebase, MongoDB

**Developer Tools & IDEs:** Git, Vim, IntelliJ, PyCharm, Android Studio, Xcode, Visual Studio, Eclipse, Cursor

**Productivity & Collaboration:** Jira, Asana, Notion, Lucidchart, Miro, MS Office, Slack, Figma

**Operating Systems:** Linux/Unix, macOS, Windows, Android, iOS