Erdun E

8217 SW 72nd Ave, Apt 706, Miami, FL, 33143 | (978) 954-4270

e.e@northeastern.edu | https://www.linkedin.com/in/erdune/ | https://erdune.github.io/ErdunE/

Software Engineer (2 yrs @ Amazon) in performance testing, distributed systems, and CI/CD. Seeking 2026 New Grad.

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 the full 5-step "Create Story" workflow (Upload, Edit, Description, Preview, Integration) with camera or device video support, trimming, and draggable text overlay, matching Figma designs across 2 platforms.
- Built and optimized CI/CD pipelines with 11+ GitHub Actions checks, reducing manual review effort by 30%+ and accelerated PR feedback cycles, and improved deployment reliability for the entire team.
- Authored the team's Developer Guide (8 charters, 100+ steps), wrote 3 tech investigation reports and 5+ Jira tickets documenting root causes and fixes, improving 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 3 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)
- Managed 24/7 on-call responsibilities for 4+ weeks, resolving 180+ severity level 2 tickets and assisting in two Large Scale Event (LSE) incidents, ensuring system stability and customer satisfaction.
- Standardized performance testing for new disk and firmware versions across 4 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+ AZs; ran 20+ stair-step tests, 14 fault injections, and resolved 15+ tickets and 200+ deployment failures to ensure 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 16.7%-50%.

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

- Led evaluations for 6 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, Jupyter, TensorFlow, PyTorch, Postman
Data & ML Libraries: scikit-learn, pandas, NumPy, matplotlib, seaborn
Cloud & DevOps: AWS (Lambda, EC2, EBS, S3, Redshift, CloudWatch), CI/CD, GitHub Actions, DevOps Tools
Database Systems: MySQL, MariaDB, SQLite, Firebase, MongoDB
Developer Tools & IDEs: Git, Vim, IntelliJ, PyCharm, Android Studio, Xcode, Visual Studio, Eclipse
Productivity & Collaboration: Jira, Asana, Notion, Canva, draw.io, Lucidchart, Miro, MS Office, Slack, Figma, lovable
Operating System: Linux, macOS, Windows, Android, iOS