

Kennedy Mesfun

Software Engineer

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Results-driven Software Engineer with 5+ years of industry experience at Google, Microsoft, and Yahoo. Deep expertise in high-availability distributed systems, cloud-native architectures (AWS/GCP), platform reliability engineering (BCP/DR), and developer productivity tooling. Track record of driving measurable improvements in system uptime, deployment velocity, and engineering efficiency.

TECHNICAL SKILLS

Languages	Python, Java, TypeScript, JavaScript, SQL, C#
Cloud / DevOps	AWS (Lambda, SQS, SNS, ECS, Aurora), GCP, Azure, Docker, Kubernetes, Terraform, CloudFormation
Frameworks	React, Node.js, gRPC, REST APIs
CI/CD & Tools	CI/CD Pipelines, Git, Canary Deployments, EventBridge
Databases	AWS Aurora, MySQL, NoSQL

PROFESSIONAL EXPERIENCE

Software Engineer Yahoo Inc. — Mountain View, CA	November 2022 – February 2026
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- Led migration of 3 critical platforms (Radar, LV2, Cozy) from RHEL7 to AlmaLinux 9/RHEL8 using Docker, AWS ECS, Terraform, and CloudFormation; increased uptime and reduced critical incidents by 30%.
- Designed event-driven serverless notification system (AWS Lambda, SQS, SNS, EventBridge) with automated retry/recovery flows; cut incident response time by 30% and improved moderation coverage.
- Accelerated deployment frequency from bi-weekly to weekly and reduced deployment lead time by 40% using canary deployments with zero downtime.
- Implemented PDNA hash and regex-based search for high-volume datasets with per-content-type stats tracking (image, video, text, PDF) enabling efficient abuse-pattern detection.
- Built security proxy layer standardizing and securing media ingestion between moderation products and third-party cloud storage.

Software Engineer YouTube (Google) — Mountain View, CA	February 2021 – March 2022
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- Launched SupeX experience for K-12 users during the Q3 2021 EdUniTube release.
- Implemented view-count logic for YouTube videos embedded in Twitter and WhatsApp.
- Automated build rollouts for a gRPC tool while shipping core feature additions.
- Migrated legacy test suites to new backends, increasing test coverage and fixing related backend defects.

Software Developer Engineer – Full Stack Microsoft — Redmond, WA	May 2019 – September 2020
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- Engineered comprehensive test suites that prevented multiple critical production bugs, substantially improving code stability.
- Reduced Sev1 incidents by aggressively addressing technical debt and resolving high-priority customer issues via ICM/GitHub.
- Formalized cross-component communication framework enabling reliable sender/receiver messaging between web parts operating within iFrames.

EDUCATION

B.A. in Cognitive Science (Computational Modeling) University of California, Berkeley Relevant Coursework: AI, Advanced Data Structures & Algorithms, Machine Learning, Networks	May 2017
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CERTIFICATIONS

- Machine Learning — Coursera
- Google Cloud Verified 4-Part Series — Coursera
- Claude Code in Action — Anthropic