

Zach Butler

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Senior Software Engineer with nearly 10 years of experience in backend engineering across both user-facing and enterprise spaces at Block, Google, and Amazon, leading cross-functional teams to deliver on organizational initiatives at scale.

Experience

Block | Senior Software Engineer

2022 – 2026

Selected by engineering leadership to lead a cross-org team of four engineers in six weeks to deliver an end-to-end testing framework that later became the platform for all of web engineering, covering hundreds of engineers

Designed and led a three-person team to deliver a revamped search experience to support enterprise-scale businesses with p90 load times under 1 second and new sorting, filtering, and text search functionality

Proposed, designed, and implemented an SLO-based service monitoring and alerting framework to reduce false positive rates from up to 90% to well under half and tie monitoring to user impact

Led the delivery of new applet functionality in a new engineering domain on schedule while navigating shifting leadership direction and user experience design changes

Created a standardized backend acceptance testing framework with integrated tooling and monitoring adopted by ten teams company-wide

Mentored an engineer over one quarter through regular 1:1s on career development, technical skills, and system analysis, leading to new guides improving team on-call effectiveness and confidence in their team's systems

Google | Software Engineer II/III

2018 – 2022

Owned and maintained Google Cloud Print across millions of devices and several manufacturers, and developed and delivered on its shutdown plan, coordinating with product, client, and backend teams

Implemented a beta candidate tracking tool for Google recruiters to organize and review candidates throughout the hiring pipeline

Designed and implemented an automated application license optimization feature to eliminate license waste and unnecessary cost for customers

Coached over a dozen new hire teams in onboarding training projects

Amazon | Software Development Engineer

2016 – 2018

Designed, implemented, and launched bulk email sending, and implemented email open and link click tracking, for Simple Email Service, a platform processing over one trillion emails per year

Technical Skills

Languages: Java, Kotlin

Architecture: Distributed Systems, Event-Driven Architecture, Microservices

Databases: MySQL, DynamoDB

Infrastructure: Kubernetes, Terraform

DevOps & Cloud: CI/CD, AWS (SQS, Lambda, OpenSearch)

Observability: Datadog, PagerDuty

Testing: JUnit, Mockito, Truth

Education

North Carolina State University — BS Computer Science, 2016