

# Cody Averett

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## Expert Software Engineer

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Results-driven full-stack software engineer specializing in JavaScript and TypeScript with a strong track record of building impactful, data-driven tools. Experienced in working on remote distributed teams and adept at learning and adapting to new technologies. Previously contributed to the success of the >\$500B Fortune 1 omnichannel retailer, collaborating with operators, technical leaders, and senior business executives to deliver concise, high-performance insights that drove significant business outcomes. Recognized as an effective problem-solver, collaborative team player, and mentor.

## Experience

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### Senior Fullstack Engineering Consultant

**Jan 2023 - July 2023**

*Viasat Commercial Aviation*

- Implemented software enhancements on inflight connectivity and entertainment systems, data streams, and ELT pipelines to provide Airline customers with flight data and usage metrics.
- Implemented comprehensive unit and E2E test coverage for client and service APIs, ensuring software correctness and preventing feature regressions.
- Provided timely support for production application problems via AWS and managed kubernetes clusters, ensuring system operation.
- Created tools to ensure data reliability for testing.
- Presented technical topics at area wide community meetings, fostering professional development across the organization.
- Maintained and updated documentation regularly, facilitating efficient knowledge transfer and team collaboration.

### Senior Fullstack Engineer, Staff Software Engineer    **Sep 2019 – Nov 2022**

*Walmart US Business Operations Data and Analytics*

- Created performant data-driven applications and visualizations to consistently report business metrics to approximately 2 million unique daily users.
- Managed a cluster of 8 Red Hat Enterprise Linux servers for application deployments using Ansible.
- Developed robust web APIs, enabling seamless integration across 17 internal systems.
- Developed zero-downtime container deployment solution, reducing application downtime by 100%.
- Implemented fast CI/CD pipelines, reducing a 30 minute manual process to a 2 minute automatic process.

- Designed size optimized Docker containers for our applications and services.
- Mentored and onboarded developers, enabling high-quality work.
- Maintained shared application modules, ensuring code reusability and high standards.
- Led project planning and SCRUM rituals, defining scope, goals, deliverables, and deadlines for successful outcomes.

## Software Engineer III

**Aug 2017 – Sep 2019**

### *Walmart Software Delivery Enablement*

- Played a key role in the development of [Concord](#), Walmart's in-house open-source CD framework, by contributing to the UI and server components, and scaling the service to 5000+ developers and over 20k worldwide endpoints.
- Made significant contributions to the design of Concord's Domain Specific Language (DSL), simplifying configuration and customization of deployment workflows.
- Developed and maintained robust web application APIs, facilitating communication between cloud deployments and telemetry systems.
- Implemented continuous deployment templates, accelerating the software delivery process and ensuring consistent deployments.
- Co-founded and hosted a bi-weekly internal frontend development support group, fostering knowledge sharing, collaboration, and skills development across organizational domains.
- Provided support to developers in optimizing their CICD workflows through thorough code reviews, resulting in improved code quality and streamlined processes.

## Programmer Analyst

**Jun 2013 – Aug 2017**

### *Walmart Store Systems Production Support and Point of Sale Development*

- Technical lead for the Point of Sale (POS) service infrastructure, overseeing secure PCI compliant transaction reporting, storage, and retrieval.
- Created tools to research and facilitate data restoration reducing a labourous manual process that normally took several hours to a one-line command that only took minutes.
- Resolved systemic issues through root cause analysis to improve system stability.
- Developed a tool enabling quick access to detailed customer transaction data and metadata, empowering data-driven decisions.
- Provided on-call production support for international POS and Unix systems, ensuring smooth operations and prompt resolution of critical issues.
- Discovered and resolved 2 high-risk data transfer vulnerabilities and implemented security measures to protect sensitive information.
- Developed Python APIs to monitor IBM 4690 OS system utilization, enabling legacy system performance monitoring for proactive maintenance.