

Ted Cook

Software Engineer

WORK EXPERIENCE

Flock Safety

Senior Software Engineer

Remote | May 2023 – Present

- Serve as tech lead for a team building data pipelines for bespoke customer integrations, mentoring junior developers on best practices
- Drove the design and implementation of a new public API suite for third-party integrations
- Built an integration catalog from scratch, letting customers self-serve integrations and credentials that previously required a customer success manager
- Rewrote a service that aggregates law enforcement data from many agencies, moving from Node.js to Go and from hourly polling to event-driven processing to improve performance, reliability and scalability
- Built several vendor-specific API integrations that connected the platform with other law enforcement tools, increasing its value to agencies

Amazon

Software Development Engineer

Nashville, TN | November 2021 – May 2023

- Enhanced internal tooling used by business partners in the Amazon Freight organization to manage contracts with external customers
- Contributed to infrastructure design discussions and led breakaway teams when developing pieces of larger projects
- Co-led a rewrite of the invoicing service to support new business initiatives, such as write-offs, crediting and recurring charges

Doozer Software

Software Developer

Birmingham, AL | April 2018 – November 2021

- Worked within (and later led) a small team to build a full-stack financial application for a corporate client, including a complex supply tracking and pricing algorithm that was >10x faster than the previous application
- Implemented a fully featured query builder into an existing document-storage product that allowed users to perform advanced SQL-like queries on the document's contents or metadata, all through a human-readable drag-and-drop interface
- Migrated a legacy enterprise application from Sybase to MS SQL Server by writing a C++ shim that translated the input and output of the MS SQL Server driver functions into Sybase data structures

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SKILLS

- Golang (Gin, Bun ORM)
- Python (pandas, NumPy, Pydantic)
- Java (Guice, Spring Boot, Maven, Hibernate)
- JavaScript/TypeScript (Node, Angular)
- HTML/CSS (Bootstrap, Material Design)
- SQL (PostgreSQL, MS SQL Server, MySQL)
- AWS (IAM, S3, SQS, SNS, DynamoDB, Lambda, CDK, Terraform)
- Docker/Docker Compose, Kubernetes
- CI/CD (Jenkins, GitHub Actions)

EDUCATION

Master of Science

Computer Science, Artificial Intelligence and Machine Learning

Western Governors University

November 2025 – July 2026

Bachelor of Science

Software Development

Western Governors University

June 2017 – March 2018

Bachelor of Science

General Science Education

Auburn University

August 2012 – December 2016

Awards

- Honors College graduate
- Cum Laude