

Corder Guy

Software Engineer – Backend & Infrastructure

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Professional Profile

Backend-focused engineer with 5+ years at Two Sigma building internal platforms, APIs, and infrastructure. Excels in ambiguous environments by quickly mastering new domains and translating unclear requirements into technical solutions. Led architecture for firmwide systems used by 1,800+ engineers while fostering cross-team collaboration and establishing governance standards.

Technical Skills

Languages & Frameworks:

Java, Python, JavaScript/TypeScript, HTML/CSS, Angular, React, SQL/PostgreSQL, Flask, Dropwizard

Systems & Tooling:

Git, GitHub/GitLab, Linux, Jenkins, CI/CD, integration testing, RESTful API design, API implementation

Infrastructure & Engineering:

Slack API, Jira API, Web Components, deployment automation, system integration, reliability engineering

Work Experience

Software Engineer | Two Sigma | Houston, TX *August 2019 – November 2024*

General Responsibilities

- Developed and maintained backend systems and internal tools for engineering support, compliance, and operational efficiency.
- Delivered and maintained REST APIs, CI/CD pipelines, and automated integrations across tools including Slack and Jira.
- Supported reliability engineering, deployment automation, and service integration for production workflows.
- Collaborated regularly with infrastructure, data, and frontend teams to improve internal developer experience and support systems at scale.

Selected Projects & Initiatives

Model Release Governance – Approval Orchestration via Workflow Engine

- Took ownership of an ambiguous, high-priority compliance need with a tight deadline; independently investigated approval constraints and existing workflows.
- Designed and implemented “MRS Jira,” a service integrating Jira and Temporal to enforce approval policy through automated state transitions.
- Controlled release gating without developer disruption; system became standard for model and pipeline deployments firmwide, meeting compliance requirements within projected timeframe.

Developer Support Integration – On-Call Scheduling Layer

- Built a backend integration service surfacing on-call coverage and contact metadata used by 1,800+ engineers within existing tools like the internal product catalog.
- Eliminated critical outage incidents caused by direct calls exceeding vendor’s strict firmwide rate limit.
- Exposed simplified REST API over vendor alerting system with complex caching and supplemental Slack-based UX; system saw daily org-wide usage with minimal required behavior change.

UI Modernization

- Volunteered beyond core role to partner with JobSystem team on consolidating UIs using shared Web Components, reducing total code by 70%.
- Developed and integrated the modular UI into Support Manager, aligning with frontend platform standards and internal migration goals.

Mentorship, Hiring, and Culture

- Mentored interns who shipped production-level backend code; conducted 50+ technical interviews and trained new interviewers.
- Led internal workshops on ham radio, 3D printing, and soldering to foster technical curiosity and community.

Education

Texas A&M University | College Station, TX

Bachelor of Science in Computer Science

Minors: Cybersecurity, Mathematics

Graduated May 2019