

KONSTANTIN BURLA

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SUMMARY

Platform & infrastructure engineer with 13+ years of experience building and operating production systems, observability platforms, and data pipeline infrastructure at Gemini, Two Sigma, and Jane Street. Python-first with hands on expertise in workflow orchestration (Airflow/MWAA), infrastructure-as-code (Terraform/EKS), and distributed systems observability (Datadog).

WORK EXPERIENCE

Senior Applications Engineer

04/2025 – 02/2026

Gemini (New York)

- *Designed and built a full-stack API status and monitoring platform for sandbox and production exchanges, ingesting 100k+ API requests per minute, reducing mean time to detect customer-impacting incidents by ~60%.*
- *Migrated 70+ legacy cron jobs to production Airflow DAGs on AWS MWAA/EKS, codifying infrastructure with Terraform/Terragrunt, improving pipeline reliability, failure observability, and cross-team ownership.*
- *Architected Datadog metrics, dashboards, and log pipelines, and partnered with engineering teams to analyze system failures, identify root causes, and implement durable fixes that reduced recurrence.*
- *Collaborated with ~15 institutional clients and partner vendors, diagnosing and resolving complex API and integration issues to restore service and maintain customer trust.*
- *Built API documentation and internal operational tools, adopted by all engineering teams, reducing onboarding time for new engineers by ~25% and improving workflow consistency.*

Systems Engineer

03/2018 – 12/2024

Two Sigma Investments (New York)

- *Migrated trading operations to an on-prem cloud platform, improving reliability and scalability and reducing production incidents and downtime by 90%.*
- *Developed and maintained python and PowerShell automation scripts to optimize workflows across Windows and Linux, reducing manual intervention and improving efficiency.*
- *Analyzed issue trends with Python and Pandas, quantifying shift-edge demand at 3–5 tickets vs. 20–40 during core hours, supporting a move to on-call coverage, reducing low-utilization staffed shifts.*
- *Enhanced and maintained a Python-based Slack bot integrated with Jira, enabling real-time ticket management and workflow automation within Slack, reducing ~30% manual work.*

Systems Engineer

12/2016 – 01/2018

Jane Street (New York)

- *Built internal automation and tooling (including a global office seating map using Google Apps Script) to standardize workflows and reduce manual effort.*
- *Improved monitoring and automation for custom server and desktop builds, increasing system reliability and performance.*
- *Managed documentation and issue tracking using Confluence, Jira, and Mercurial for internal tooling and systems reducing support friction.*

Support Engineer

06/2012 - 12/2016

Highbridge Capital Management (New York)

- *Managed end-to-end alerting and incident response across Unix, Windows, networking, and database systems using enterprise monitoring platforms, ensuring timely resolution of critical incidents across all production environments.*
- *Designed and maintained infrastructure monitoring and automation using CA SystemEdge, SCOM, Netcool/Omnibus, and custom scripts, improving detection and remediation efficiency across enterprise systems.*
- *Collaborated cross-functionally and documented operational workflows, improving reliability, handoffs, and onboarding for engineering and support teams.*

SKILLS

Programming & Data: Python, SQL; Pandas, REST / WebSocket APIs

Data Pipelines & Automation: Airflow/MWAA, data pipelines, DAG orchestration, event-driven systems

Cloud & Infrastructure: AWS (EKS, MWAA, CloudWatch), Kubernetes, Linux; Terraform, Terragrunt

Monitoring & Reliability: Datadog (metrics, logs, dashboards), production monitoring, incident response

AI-Assisted Development: ChatGPT and Claude for copilot-style programming, debugging, refactoring, and prototyping

Collaboration & Delivery: Git, Jira, Confluence; cross-functional engineering collaboration

EDUCATION

Stony Brook University

B.Sc. Information Systems, Business Management, 2011

Stevens Institute of Technology

M.Sc. Computer Science, 2018