Glenn Wysen

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Education

University of California, Berkeley — Berkeley, CA
BA Computer Science and Astrophysics — Aug 2017 - May 2021

Work Experience

New York Mets — New York, NY
Product Engineer, Baseball Systems — November 2025 - Present
Baseball Operations Associate, Performance Technology — January 2025 - October 2025

- Led 6-month rebuild of the org performance planner, designing backend DB and workout assignment workflows for the front-office internal web portal—used daily by major league and MiLB performance staff and 80+ players during offseason training; org-wide rollout ongoing.
- Led development of an internal app platform (Okta, GCP CI/CD, BigQuery/PostgreSQL/GCS) enabling analysts and coaches to build and deploy sandboxed tools for front-office and player-development workflows.
- Partnered with the Head of Major League Strategy to build a side-by-side video analysis tool—in daily use by the 8-person Major League Strategy team, saving an estimated 10–20 hours/week vs. manual review.
- Built automated per-series pitching analysis end-to-end (React, Cloud Functions) with skeleton overlays and biomechanical diff reports for Major League Strategy and advance scouts before every series.
- Architected org-wide biomechanics skeleton pipeline (GCP, PostgreSQL, Cloud Tasks) powering daily skeleton generation and hitting/pitching report tools from player development through front-office analysis.

Amazon Web Services (AWS) — San Francisco, CA
Software Engineer - Key Management Service (KMS) — September 2022 - December 2023

- Decoupled KMS's internal cryptographic service into control, data, and log planes, improving cryptographic operation latency and enabling parallel development at scale while maintaining FIPS 140-3 Level 3 certification.
- Developed internal tooling to automate log analysis for engineers, reducing ticket resolution time by 80%.
- Onboarded KMS's host management fleet to AWS CloudWatch, leading to 2x faster issue resolution through metric-driven dashboards and alarms.

Next Insurance — Palo Alto, CA
Software Engineer — July 2021 - July 2022

- Enhanced screening logic in Kotlin to prevent automatic policy declines for recent felony records, incorporating fairness review for criteria with disproportionate impact on applicants of color.
- Developed a Python Slackbot using Selenium for web scraping, saving 50 hours/week for the insurance compliance team.
- Automated document retrieval and formatting for over 5,000 insurance forms weekly using Python, Selenium, and Pandas.

Air Force Research Lab — Albuquerque, NM
Solar Physics Lab Assistant — May 2018 - Aug 2018
Analyzed NASA satellite solar irradiance data using IDL to improve Thermosphere/Ionosphere models for Low Earth Orbit (LEO) satellite safety.

Skills

Programming Languages:	Python, TypeScript, Java, Kotlin, SQL, Bash, JavaScript/HTML/CSS, C++
Frameworks & Libraries:	React, Pandas, NumPy, Matplotlib, Jupyter Notebooks, AWS CLI, UNIX/Linux
Cloud & Data:	GCP (Cloud Functions, Cloud Tasks, BigQuery, GCS), PostgreSQL, AWS (KMS, CloudWatch, S3, EC2, IAM)
Tools:	Git, Jira, Tableau