

# Angela Guardia

## Software Engineer

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## SKILLS

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**Programming Languages:** Python, Ruby, SQL, Bash, Starlark  
**Technologies/Tools:** Bazel, GitHub/Git, Jenkins, Looker, Jira, Xcode, rules\_xcodeproj  
**Databases/Frameworks:** Mysql, PostgreSQL, Rails  
**Concepts:** Scripting, OOP, REST, Mocks & Stubs, Agile

## EXPERIENCE

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**Software Engineer** | Block, Inc. | New York, NY, United States Apr 2023 - Present

- Improve developer experience within the mobile developer experience organization, focusing on optimizing workflows and tools for iOS developers
- Create a streamlined Bazel version upgrade workflow by implementing an isolated shadow build infrastructure in CI and generating key metrics to accelerate upgrade timelines and minimize developer disruptions
- Optimize build times by up to 30% with a Git hook prompting developers to branch from an optimized branch, reducing rework both locally and on CI
- Enhance build performance monitoring through CI-based Bazel Performance Benchmarks, creating daily alerts, and visualizing data in Looker dashboards for continuous system performance tracking and evaluation
- Build comprehensive metrics dashboards for the rules\_xcodeproj rollout by generating and parsing Bazel build profiles to monitor duration, memory, and CPU usage, enabling migration success measurement and ongoing performance insights
- Unblock customers and stakeholders through on-call rotations by debugging production issues, answering questions in engineering support channels, and creating relevant documentation

**Software Engineer II** | Twitter, Inc. | New York, NY, United States Mar 2021 - Feb 2023

- Designed and implemented software to facilitate the migration of Twitter's build tool from Pants to Bazel to improve developer productivity and development velocity at Twitter
- Created Bash and Python scripts to automate the migration of 1000+ BUILD files in 400+ directories resulting in a 35% reduction of load on Twitter's continuous integration pipeline saving the company around \$750k per month in costs and making builds faster
- Created infrastructure (composed of Python parsing scripts, schemas, Mysql databases, Tableau metrics, and Jenkins cron jobs) to identify production services using deprecated tooling in order to prevent migration-related production issues
- Collaborated cross-functionally with internal engineering teams to redesign and migrate their linting infrastructure from Pants to Bazel which improved code quality, linting performance, and ensured the continued health of Twitter's monorepo

**Project Engineer** | KSI Engineering, Inc. | Bakersfield, CA, United States Apr 2018 - Jul 2019

- Saved 15+ staff-hours weekly by improving meeting efficiency through data-driven dashboards

**Mechanical Engineer** | Enbridge, Inc. | Western Canada Jul 2016 - Mar 2018

- Supported the operability and reliability of a 0.7BSCFD natural gas processing plant

## EDUCATION

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**Turing School of Software and Design** | Back-End Software Engineering May 2020 - Jan 2021  
**University of Alberta** | BSc. Mechanical Engineering - Biomedical Option Sep 2011 - Apr 2016