Evan Arbeitman

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Work Experience

Compass | New York, NY
Senior Software Engineer | April 2020 – July 2024

- **Pipelines: Internal Tooling for Build and Deploy**
  - Built a Dockerized backend service in Golang to abstract CI/CD provider complexities, creating a unified build automation interface used by over 500 members of the product and engineering organization.
  - Processed an average of 10,000 API requests per day with 99.9% availability
  - Reduced developer onboarding time for CI/CD processes by 50% by abstracting underlying CI provider details.
  - Enhanced API performance by implementing database indexing and query pagination, improving backend throughput by 30% during peak load times.
  - Reduced API response times from 1.2 seconds to 200ms, ensuring seamless handling of 1,000+ concurrent requests and processing 10,000+ build triggers daily.
  - Improved system reliability and responsiveness, contributing to an increase in customer NPS by 15 points through a smoother developer experience and reduced workflow bottlenecks.
  - Developed a Build History Dashboard that displayed historical build data using a paginated table, reducing load times from 20+ seconds to under 2 seconds for large datasets.
- **Bazel Toolchain Adoption**
  - Contributed to the adoption of Bazel for the monorepo, standardizing build and dependency management processes across multiple services and languages.
  - Simplified dependency management using Gazelle, automating dependency generation and keeping BUILD files consistent across the codebase.
  - Built tooling to allow teams to configure their Bazel build substrate, reducing the friction of migration.
  - Implemented Bazel Remote Caching, enabling teams to reuse cached build artifacts across CI jobs and local builds.
  - Mitigated critical Log4j vulnerability by utilizing Bazel-based dependency scanning across Java applications, ensuring secure builds and reducing exposure.
  - Authored bazel custom build rule to generate Golang source code from avro schema definitions.
- **Code Review System**
  - Built a Node.js application on the GitHub Probot framework to automate reviewer assignments
  - Developed a configurable system using glob pattern matching to dynamically identify OWNERS files and enforce custom approval rules
  - Designed an efficient algorithm to traverse changed files, dynamically identifying relevant reviewers and caching mappings to reduce GitHub API callouts by 50%.
- **CI/CD Workflow Implementation and Management**
  - Worked closely with product owners, project managers, and developers to align on technical requirements, prioritize feature delivery, and address roadblocks.
  - Optimized CI/CD workflows using Bazel remote cache for Java, Golang, and Python services, reducing average build time from 1 hour to 5 minutes.
  - Automated Docker build and publish workflows on merged pull requests, accelerating deployment and minimizing manual tasks.
  - Streamlined automated test suites, linting, and dependency scans, increasing codebase reliability and reducing review time by 20%.

Compass | New York NY
Systems Engineer | May 2018 – April 2020

- **Agent Recruiting and Contact Management**
  - Implemented a Salesforce CPQ (Configure, Price, Quote) solution to standardize and automate agent contract creation, reducing manual errors and improving deal accuracy by 40%.
  - Partnered with business stakeholders to understand and translate business objectives into actionable technical roadmaps in order to alignm with overall organizational goals.
  - Built an integration with Mulesoft to pull standardized contract terms from our ERP system, ensuring the growth teams can offer consistent, pre-approved incentive structures during recruitment.
  - Enabled dynamic term selection and contract personalization through Salesforce Lightning Components and validation rules, reducing contract negotiation cycles by 30%.
  - Integrated Compass's agent database with Mulesoft API layers, ensuring seamless data flow and consistency across systems.
- **Collaboration and Team Culture**
  - Established version control best practices, introducing structured branching strategies and standardized merge workflows.
  - Created automated release management pipelines using CircleCI and Salesforce's SFDX
  - Introduced change management protocols, ensuring documentation and stakeholder alignment for every release cycle.

iCIMS | Holmdel NJ
Application Engineer | June 2015 – April 2018

- **Application Development and Automation**
  - Built custom Lightning Components to simplify ticket sharing and status tracking within Salesforce, improving cross-team collaboration and communication.
  - Designed automation workflows for case escalation based on SLA thresholds, reducing resolution times by 20% and improving client satisfaction.
  - Implemented a comprehensive CI/CD pipeline with Jenkins and Salesforce CLI, automating build, testing, and deployment processes to reduce release cycles

Education

B.S. in Electrical and Computer Engineering	***2U Full Stack Developer Bootcamp***
Rutgers University, New Brunswick, NJ	*Rutgers University, NJ*
August 2011 – May 2015	*January – June 2017*

Skills

Golang, Python, Java, JavaScript, TypeScript, React, Next JS, Node.js, Spring, Bash, gRPC, Apache Thrift, Docker, AWS, EKS, Postgres, Terraform, Jenkins, CircleCI, Bazel, Git, Kubernetes, Salesforce Cloud Suite, Mulesoft, Apex, SFDX, Linux, Agile SDLC, Object Oriented Programming