

# KAYLA CROSS

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## WORK EXPERIENCE

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### Software Engineer Level IV

*Alto Pharmacy*

**July 2022 - November 2022**

*San Francisco, California*

- Optimized and added features to pharmacy/delivery software, improving insurance and medication refill workflows.
- Developed microservices in a Ruby on Rails framework using Sorbet strict typing and Snowflake, ensuring efficient performance and high-quality code.
- Investigated bug reports effectively by handling rotating on-call responsibilities using Grafana, NewRelic, and AWS.
- Successfully improved processes to streamline workstation setup and standup, increasing efficiency and productivity.
- Represented Alto Pharmacy at career fairs as part of efforts to improve recruiting and assess interview software.

### API Software Engineer

*Fundrise*

**March 2021 - July 2022**

*Washington, District of Columbia*

- Developed full stack APIs for the largest direct-to-investor real estate platform in the US (over \$2.4 billion invested).
- Designed performant, scalable systems using Java, Spring Batch, Maven, and Snowflake to compute returns.
- Redesigned quantitative performance ETL and optimized SQL queries to view daily instead of quarterly returns.
- Designed new RESTful API endpoints, tested and monitored with Swagger, Datadog, and Sentry to enhance system reliability and maintenance.
- Collaborated cross-functionally with departments, including investor relations, to drive feature design and conducted candidate interviews to build a strong team.

### Software Engineer Level II

*Evans and Chambers Technology*

**July 2018 - March 2021**

*Washington, District of Columbia*

- Designed and implemented a custom API integration for an enterprise client, resulting in successful onboarding.
- Managed multiple large-scale initiatives, including custom reports and automated workflows, while maintaining daily communication with the client.
- Successfully transitioned to a multi-tenant architecture, automated UI testing for minimal UX interruption.
- Optimized code performance in Grails by refactoring SQL and Hibernate queries, with tasks loading 92% faster.
- Led internship outreach, assessment, and training for all 5 interns and conducted interviews for new candidates.
- Received company-wide Excellence Award for outstanding performance and exemplifying workplace values.

## PROJECTS

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### Lead Engineer

*Tree of Life (Sabbatical self-project)*

**March 2023 - May 2023**

*Washington, District of Columbia*

- Created a multiplayer game with instant mobile browser participation, using Java, Spring, Maven, and PostgreSQL.
- Implemented real-time updates with Vue.js and WebSockets to enhance engagement and gameplay experience.
- Containerized the application with Docker for consistency, portability, and easy versioning/rollback.
- Conducted API endpoint testing with SwaggerUI to ensure functionality and efficiency of backend engineering work.

## EDUCATION

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**Georgetown University, Washington, District of Columbia**

*Bachelor of Science (B.S.) in Culture and Politics*

**Class of 2017**

*Washington, District of Columbia*

- Focused major on technology and media, including computer science courses in **Ruby** and **C++**

### Flatiron School Certificate in Full Stack Web Development, Remote

- Awarded scholarship by Women Take Tech initiative to study **Ruby, Rails, SQL, JavaScript, React, HTML/CSS**

## TECHNICAL SKILLS

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- **Languages:** Java, Groovy, Grails, Spring (Framework, Security, MVC, Batch), Ruby, Rails | SQL (PostgreSQL, MySQL, SQLite), GORM, Hibernate, Active Record, Snowflake, BigQuery | Kotlin, React Native | JavaScript, jQuery, HTML/CSS | RSpec, JUnit, Log4j, Spock, Geb, Selenium
- **Development Tools:** AWS (CloudWatch, EC2, S3, RDS, Textract, CodeDeploy) | Git (Bitbucket, GitHub), Jenkins, Docker, Maven, Gradle, Datadog, Grafana | Jira, Confluence, Asana, Slack