Gabriel Alzate

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EDUCATION & SKILLS

Pomona College Claremont, CA — May 2021
Major: Bachelor's in Computer Science | Minor: Mathematics — GPA: 3.92

Languages Java 8, Python, Haskell, SQL, C, C++, Bash, Dart, Swift, Javascript (React, JQuery)
Tools Hive, Docker, gRPC, Git, UNIX, Vim, LaTeX, Hadoop, Flutter

EXPERIENCE

LinkedIn Corporation — Jul 2021 – Present
Senior Software Engineer — *Sunnyvale, CA*

- Enhances APIs, develops features, and troubleshoots bugs for LinkedIn's enterprise commerce platform—the application used by LinkedIn sales reps to sell ∼$150 million in products to businesses every week
- Spearheaded development and worked with designers & front-end engineers to build a pricing feature that enables sales reps to override the prices of enterprise products that generate over $250 million in revenue every quarter
- Revamped the platform's purchase order (PO) number system by building a new workflow and improving availability, reducing the YoY PO-related case volume by 88% and saving over 3.5k hours of case resolution time every month
- Mentored an intern and a new hire in building and launching a sales rep commission assignment workflow which now automates over 100 hours of manual work and prevents ∼$500k worth of human inaccuracies per month
- Oversaw a large-scale data model migration, coordinating 5 client teams on migrating 75 different fields across all commerce-related data models to improve code cleanliness and unify bifurcated logic
- Led cross-functional teams in the design and implementation of a new "plan switcher" feature for LinkedIn Premium, a feature with a projected annual revenue of $10 million

Software Engineering Intern — May 2020 – Aug 2020

- Developed a system that allows LinkedIn Learning's (LIL) 17 million enterprise users to create personalized branding for their published work to encourage consumer-curator interaction
- Built asynchronous **Rest.li** API using **ParSeq** and **Java 8** functional programming to support CRUD functionality for the new enterprise branding feature
- Constructed **Hive** queries to gather raw data, spot trends in user profile information, and spotted the crucial edge cases that affected more than 10% of users
- Led weekly team syncs and bug bashes with frontend engineers, designers, and product managers to review code and iterate on product designs
- Pushed the feature to production for all LIL Enterprise users in North America

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Kalibrr, Inc. — Jun 2019 – Sep 2019
Software Engineering Intern — *Manila, Philippines*

- Conducted intensive research on the benefits of using HTTP/2.0-based **gRPC**'s vs. **REST API**'s for Kalibrr, a Y Combinator-funded online job platform startup in Southeast Asia
- Engineered gRPC microservices in **Python** for Kalibrr's **PostgreSQL** database which reduced API response deserialization time and payload size by 50%
- Added HTTP/1.x backward compatibility by launching 3 **Docker**ized edge and service proxy servers
- Taught myself **Nginx** and **Envoy** to optimize these proxy servers by eliminating concurrency errors and reducing response time by 40%
- Deployed an internal **Flutter**-based mobile app in **Dart** that communicates with Kalibrr's microservices in HTTP2

Pomona College Computer Science Department — Jan 2019 – May 2021
Head Teaching Assistant (CS062 Data Structures | CS140 Algorithms) — *Claremont, CA*

- Collaborate with and lead a team of TA's to tutor 35+ students individually and in small groups
- Conduct 2 weekly mentor sessions to guide students through assignments and address questions about lecture material
- Meticulously evaluate and grade **Java** and **Python** programming assignments of 5-6 students every week
- Communicate frequently with and report back to professors about students' performance as head TA